

CORNELL UNIVERSITY ANNOUNCEMENTS

MEDICINE

1961-1962

CORNELL MEDICAL COLLEGE

## CORNELL UNIVERSITY ANNOUNCEMENTS

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## CORNELL UNIVERSITY ANNOUNCEMENTS

EDMUND EZRA DAY HALL, ITHACA, NEW YORK

# CORNELL UNIVERSITY MEDICAL COLLEGE

1961-1962

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## CORNELL UNIVERSITY ANNOUNCEMENTS

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1961

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# CALENDAR

1961

June 19	Registration, instruction begins for fourth year, first division.
July 4	Independence Day, holiday.
Aug. 11	Second division begins for fourth year.
Sept. 4	Labor Day, holiday.
Sept. 7-8	Examinations for conditioned students.
Sept. 8 & 11	Registration for first, second, and third years.
Sept. 11	Opening Exercises, 3:30 p.m.
Sept. 12	Instruction begins for first, second, and third years.
Oct. 4	Third division begins for fourth year.
Oct. 12	Columbus Day, holiday.
Nov. 23	Thanksgiving Day, holiday.
Nov. 28	End of fall term for first and second years.
Nov. 28	Fourth division begins for fourth year.
Nov. 29-Dec. 2	Examinations for first and second years.
Nov. 30	End of fall term for third year.
Dec. 1	Beginning of winter term for third year.
Dec. 4	Beginning of winter term for first and second years.
Dec. 20	Instruction ends 1:00 p.m.; Christmas recess begins.
Dec. 25	Christmas Day, holiday.

1962

Jan. 1	New Year's Day, holiday.
Jan. 3	Christmas recess ends; instruction begins.
Feb. 1	Fifth division begins for fourth year.
Feb. 22	Washington's Birthday, holiday.
Mar. 3	Winter term ends 1:00 p.m.
Mar. 4-11	Spring recess for third and fourth years.
Mar. 5-10	Examinations, first and second years.
Mar. 11-18	Spring recess for second year.
Mar. 12	Spring term begins for first and third years.
Mar. 19	Spring term begins for second year.
Apr. 4	Sixth division begins for fourth year.
Apr. 15-22	Spring recess for first year.
May 25	Instruction ends for fourth year.
May 26	Instruction ends for third year.
May 26-June 1	Examinations for fourth year.
May 28-June 2	Examinations for third year.
May 30	Memorial Day, holiday.
June 2	Instruction ends for first and second years.
June 4-6	Examinations for first and second years.
June 6	Commencement 3:00 p.m.

# THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER

THE CENTER was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of the Society of the New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members. The Director of the New York Hospital-Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

JOSEPH C. HINSEY, *Director*,  
The New York Hospital-Cornell Medical Center

FREDERICK K. TRASK, JR., *Chairman*  
ARTHUR H. DEAN  
FREDERIC W. ECKER

STANTON GRIFFIS  
HAMILTON HADLEY  
FRANCIS KERNAN

DEANE W. MALOTT

## FORM OF BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital-Cornell Medical Center."

Gifts or bequests should be made to the College, to the Hospital, or to the Center.

If for the College, the language may be: "I give and bequeath to Cornell University the sum of \$..... for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital, the sum of \$....."

If for the Center, the language may be: "I give and bequeath to The New York Hospital-Cornell Medical Center Foundation, Inc., the sum of \$....."

## THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.





*New York  
Hospital—  
Cornell  
Medical Center*

# OFFICERS OF ADMINISTRATION

DEANE W. MALOTT, *President of the University*

JOHN E. DEITRICK, *Dean of the Medical College*

LAWRENCE W. HANLON, *Associate Dean*

RICHARD H. SAUNDERS, *Associate Dean*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*

BEATRICE B. BERLE, *Counselor to Foreign Students*

ANNA F. BURKE, *Librarian*

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JOHN E. DEITRICK

OSKAR DIETHELM

R. GORDON DOUGLAS

VINCENT DU VIGNEAUD

JOHN A. EVANS

FRANK GLENN

LAWRENCE W. HANLON

JOSEPH C. HINSEY

JOHN G. KIDD

E. HUGH LUCKEY

WALLACE W. MCCRORY

WALSH McDERMOTT

JAMES M. NEILL

ROBERT F. PITTS

WALTER F. RIKER, JR.

ROY C. SWAN

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EDWIN T. HAUSER

JAMES R. MCCARROLL

RICHARD H. SAUNDERS

ALPHONSE E. TIMPANELLI

### CURRICULUM

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JOHN M. BEAL

ERIC T. CARLSON

WILLIAM D. CASH

HEINZ F. EICHENWALD

HAROLD HEMPLING

DONALD G. JOHNSON

EDWIN D. KILBOURNE

WALTER MODEL

ZUHEIR MUJAHED

GEORGE G. READER

LEONARD L. ROSS

JOHN Y. SUGG

LAWRENCE W. HANLON, *ex officio*

JOHN E. DEITRICK, *ex officio*

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THOMAS P. ALMY

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FRANK GLENN

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J. PAUL HARVEY, JR.

VERONICA LYONS

JOHN MACLEOD

JULIAN R. RACHELE

FRED W. STEWART

ANNA F. BURKE, *Librarian*

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AARON KELLNER

ALBERT L. RUBIN

RICHARD H. SAUNDERS

ROBERT F. WATSON

### PROMOTION AND GRADUATION

JOHN E. DEITRICK, *Chairman*

Heads of departments, or their representatives, responsible for the more important courses of each year.

### SCHOLARSHIPS

WALTER F. RIKER, *Chairman*

JOHN T. ELLIS

JOHN M. MCLEAN

S. W. MOORE

JULIAN R. RACHELE

PAUL REZNIKOFF

\* The Dean is ex officio a member of all committees.

# FACULTY\*

DEANE W. MALOTT, *President of the University.*

## EMERITUS PROFESSORS

DAVID P. BARR, M.D. [1916; 1957]	Professor of Medicine
McKEEN CATTELL, M.D. [1924; 1959]	Professor of Pharmacology
RUSSELL L. CECIL, M.D. [1910; 1950]	Clinical Professor of Medicine
LLOYD F. CRAVER, M.D. [1934; 1959]	Clinical Professor of Medicine
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	Professor of Physiology
CARY EGGLESTON, M.D. [1911; 1953]	Clinical Professor of Medicine
BYRON H. GOFF, M.D. [1934; 1955]	Clinical Professor of Obstetrics and Gynecology
CONNIE M. GUION, M.D. [1924; 1951]	Clinical Professor of Medicine
JAMES A. HARRAR, M.D. [1932; 1948]	Clinical Professor of Obstetrics and Gynecology
HELEN HARRINGTON, M.D. [1933; 1959]	Clinical Professor of Pediatrics
EDWIN T. HAUSER, M.D. [1935; 1961]	Clinical Professor of Medicine
LOUIS HAUSMAN, M.D. [1923; 1959]	Clinical Professor of Medicine (Neurology)
SAMUEL Z. LEVINE, M.D. [1924; 1961]	Professor of Pediatrics
ASA L. LINCOLN, M.D. [1921; 1959]	Clinical Professor of Medicine
WILLIAM F. MACFEE, M.D. [1936; 1958]	Clinical Professor of Surgery
CHARLES V. MORRILL, Ph.D. [1915; 1953]	Professor of Anatomy
CHARLES T. OLCOTT, M.D. [1926; 1958]	Professor of Pathology
EUGENE I. OPIE, M.D. [1932; 1941]	Professor of Pathology
GEORGE N. PAPANICOLAOU, M.D. [1914; 1951]	Clinical Professor of Anatomy
PAUL REZNIKOFF, M.D. [1924; 1961]	Clinical Professor of Medicine
WILSON G. SMILLIE, M.D. [1937; 1955]	Professor of Public Health
ALEXANDER R. STEVENS, M.D. [1924; 1946]	Clinical Professor of Surgery (Urology)
LEWIS D. STEVENSON, M.D. [1922; 1957]	Clinical Professor of Medicine (Neurology)
HAROLD J. STEWART, M.D. [1932; 1961]	Clinical Professor of Medicine
PHILIP M. STIMSON, M.D. [1919; 1956]	Clinical Professor of Pediatrics
MAY G. WILSON, M.D. [1918; 1959]	Clinical Professor of Pediatrics
PHILIP D. WILSON, M.D. [1951; 1955]	Clinical Professor of Surgery (Orthopedics)

## PROFESSORS

- THOMAS P. ALMY, *Professor of Medicine.* Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital; Director and Visiting Physician, Second Medical Division, Bellevue Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1957])
- ARTHUR F. ANDERSON, *Clinical Professor of Pediatrics.* Consulting Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1960])
- JOSEPH F. ARTUSIO, JR., *Professor of Anesthesiology in Surgery; Professor of Anesthesiology in Obstetrics and Gynecology.* Anesthesiologist-in-Chief, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1957])
- LEONA BAUMGARTNER, *Professor of Public Health; Clinical Associate Professor of Pediatrics.* Associate Attending Pediatrician, New York Hospital. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1958])
- ALEXANDER BRUNSCHWIG, *Clinical Professor of Surgery.* Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])
- JOSEPH H. BURCHENAL, *Professor of Medicine.* Attending Physician, Memorial Hospital. (M.D. 1937, Pennsylvania. [1949; 1952])

\* The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- ANTHONY C. CIPOLLARO, *Clinical Professor of Medicine (Dermatology)*. Associate Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948; 1960])
- HERBERT CONWAY, *Clinical Professor of Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital; Visiting Surgeon (Plastic Surgery), Bellevue Hospital. (M.B. 1928, B.S., M.D., 1929, M.S., 1932, Cincinnati. [1932; 1955])
- HAROLD W. K. DARGEON, *Clinical Professor of Pediatrics*. Attending Pediatrician, Memorial Hospital. (M.D. 1922, Albany. [1947; 1961])
- JOHN E. DEITRICK, *Dean; Professor of Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1929, Princeton; M.D. 1933, Johns Hopkins. [1935; 1957])
- EDWARD H. DENNEN, *Clinical Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1919, Tufts. [1933; 1958])
- OSKAR DIETHELM, *Professor of Psychiatry (Chairman)*. Psychiatrist-in-Chief, New York Hospital. (Statexamen 1922, University of Zurich; M.D. 1923, University of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology (Chairman)*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- HENRY S. DUNNING, *Clinical Professor of Medicine (Neurology)*. Associate Attending Physician, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division. (A.B. 1927, M.D. 1930, Cornell. [1932; 1961])
- VINCENT DU VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester; Sc.D. 1955, New York University, Yale. [1938])
- HEINZ F. EICHENWALD, *Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1946, Harvard; M.D. 1950, Cornell. [1951; 1961])
- JOHN A. EVANS, *Professor of Radiology (Chairman)*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953])
- CLAUDE E. FORKNER, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, California; M.D. 1926, Harvard. [1938; 1953])
- RICHARD H. FREYBERG, *Clinical Professor of Medicine*. Associate Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery. (A.B. 1926, M.D. 1930, M.S. 1934, Michigan. [1944; 1957])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery (Chairman)*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Clinical Professor of Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Clinical Professor of Psychiatry*. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- JOSEPH C. HINSEY, *Professor of Neuroanatomy*. Director, New York Hospital-Cornell Medical Center. (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University; Sc.D. 1951, Northwestern. [1936; 1956])
- CRANSTON W. HOLMAN, *Clinical Professor of Surgery*. Attending Surgeon, New York Hospital; Director and Visiting Surgeon, Second Surgical Division, Bellevue Hospital. (A.B. 1927, M.D. 1931, Stanford. [1932; 1958])
- FRANK L. HORSFALL, JR., *Professor of Medicine*. President and Director, Sloan-Kettering Institute, and Director, Sloan-Kettering Division of Cornell University Medical College. (B.A. 1927, University of Washington; M.D.C.M. 1932, McGill University. [1960])
- WILLIAM T. INGRAM, *Visiting Professor of Public Health Engineering*. (A.B. 1930, Stanford; M.P.H. 1942, Johns Hopkins. [1957])
- JOHN G. KIDD, *Professor of Pathology (Chairman)*. Pathologist-in-Chief, New York Hospital. (A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- EDWIN D. KILBOURNE, *Professor of Public Health*. Associate Attending Physician, New York Hospital. (A.B. 1942, M.D. 1944, Cornell. [1955; 1961])
- MILTON L. KRAMER, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1926, M.D. 1929, Columbia. [1935; 1960])
- ALEXANDER H. LEIGHTON, *Professor of Psychiatry (Social Psychiatry)*. Attending Psychiatrist, New York Hospital. (A.B. 1923, Princeton; M.A. 1934, Cambridge; M.D. 1936, Johns Hopkins. [1947; 1957])
- GEORGE M. LEWIS, *Clinical Professor of Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital; Consulting Dermatologist, Memorial Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- E. HUGH LUCKEY, *Professor of Medicine (Chairman)*. Physician-in-Chief, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1940, Union; M.D. 1944, Vanderbilt; Sc.D. 1954, Union. [1949; 1957])
- VICTOR F. MARSHALL, *Clinical Professor of Surgery (Urology)*. Attending Surgeon in Charge



- of Urology, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (M.D. 1937, Virginia. [1938; 1957])
- WALLACE W. McCRORY, *Professor of Pediatrics (Chairman)*. Pediatrician-in-Chief, New York Hospital (B.S. 1941, M.D. 1944, University of Wisconsin. [1961])
- WALSH McDERMOTT, *Livingston Farrand Professor of Public Health (Chairman)*. Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1955])
- JOHN M. McLEAN, *Clinical Professor of Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital; Consulting Ophthalmologist, Memorial Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])
- ROBERT C. MELLORS, *Professor of Pathology*. Director of Laboratory and Pathology, Hospital for Special Surgery. (A.B. 1937, M.A. 1938, Ph.D. 1940, Western Reserve; M.D. 1944, Johns Hopkins. [1961])
- ADE T. MILHORAT, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1924, Columbia; M.D. 1928, Cornell. [1933; 1956])
- JAMES A. MOORE, *Clinical Professor of Surgery (Otolaryngology)*. Attending Surgeon in Charge of Otolaryngology, New York Hospital. (B.S. 1930, Davidson College; M.D. 1934, Harvard. [1941; 1961])
- S. W. MOORE, *Clinical Professor of Surgery*. Attending Surgeon, New York Hospital. (B.S. 1926, Davidson College; M.D. 1930, Harvard. [1932; 1956])
- CARL MUSCHENHEIM, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1928, M.D. 1931, Columbia. [1933; 1960])
- JOSEPH N. NATHANSON, *Clinical Professor of Obstetrics and Gynecology*. Consultant in Obstetrics and Gynecology, New York Hospital. (M.D.C.M. 1919, McGill. [1926; 1958])
- JAMES M. NEILL, *Professor of Microbiology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- JAMES J. NICKSON, *Professor of Radiology*. Chairman, Department of Radiation Therapy, Memorial Hospital. (B.S. 1936, University of Washington; M.D. 1940, Johns Hopkins. [1949; 1951])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942. 1950])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chairman, Department of Surgery, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med.Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Attending Physician and Chairman, Department of Medicine, Memorial Hospital; Visiting Physician, Bellevue Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- BRONSON S. RAY, *Clinical Professor of Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital; Consulting Neurosurgeon, New York Hospital, Westchester Division; Consulting Neurosurgeon, Memorial Hospital; Visiting Surgeon in Charge of Neurosurgery, Bellevue Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- GEORGE G. READER, *Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1940, M.D. 1943, Cornell. [1946; 1957])
- WALTER F. RIKER, JR., *Professor of Pharmacology (Chairman)*. (B.S. 1939, Columbia; M.D. 1943, Cornell. [1941; 1956])
- ROBERT S. SHERMAN, *Clinical Professor of Radiology*. Attending Roentgenologist, Memorial Hospital. (Ph.B. 1931, Brown; M.D. 1935, Harvard. [1947; 1958])
- CARL H. SMITH, *Clinical Professor of Pediatrics*. Attending Pediatrician, New York Hospital. (B.A. 1915, C.C.N.Y.; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1954])
- FRANK R. SMITH, *Clinical Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (A.B. 1917, Yale; M.D. 1921, Harvard. [1932; 1958])
- J. JAMES SMITH, *Clinical Professor of Medicine*. Visiting Physician, Bellevue Hospital. (A.B. 1934, St. Peter's College; M.D. 1938, Cornell. [1939; 1961])
- ROY C. SWAN, *Professor of Anatomy (Chairman)*. (A.B. 1941, M.D. 1947, Cornell. [1948; 1959])
- HAROLD L. TEMPLE, *Clinical Professor of Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- T. CAMPBELL THOMPSON, *Clinical Professor of Surgery (Orthopedics)*. Attending Surgeon-in-Charge (Orthopedics), New York Hospital; Surgeon-in-Chief (Orthopedics) and Director, Hospital for Special Surgery; Consulting Orthopedic Surgeon, Memorial Hospital. (A.B. 1924, Rollins; M.D. 1928, Johns Hopkins; M.Sc.D. 1936, Columbia. [1951; 1955])

- EDWARD TOLSTOI, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1919, Yale; M.D. 1923, Cornell. [1927; 1960])
- PRESTON A. WADE, *Clinical Professor of Surgery*. Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1953])
- JAMES H. WALL, *Clinical Professor of Psychiatry*. Medical Director, New York Hospital, Westchester Division. (M.D. 1927, Jefferson. [1933; 1958])
- ROBERT F. WATSON, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (M.D. 1934, Virginia. [1946; 1960])
- HAROLD G. WOLFF, *Anne Parrish Titzell Professor of Medicine (Neurology); Associate Professor of Psychiatry*. Attending Physician, Attending Psychiatrist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital; Consulting Neurologist, Memorial Hospital. (B.S. 1918, C.C.N.Y.; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])
- IRVING S. WRIGHT, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

## ASSOCIATE PROFESSORS

- THOMAS L. BALL, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, M.D. 1939, Cornell. [1948; 1958])
- WILLIAM A. BARNES, *Clinical Associate Professor of Surgery*. Attending Surgeon, New York Hospital. (A.B. 1933, C.C.N.Y.; M.D. 1937, Cornell. [1938; 1946])
- JOHN M. BEAL, *Clinical Associate Professor of Surgery*. Attending Surgeon, New York Hospital. (B.S. 1937; M.D. 1941, Chicago University. [1942; 1953])
- DAVID V. BECKER, *Associate Professor of Medicine; Associate Professor of Radiology*. Assistant Attending Physician, New York Hospital; Assistant Attending Radiologist, New York Hospital. (A.B. 1943, M.A. 1944, Columbia; M.D. 1948, New York University. [1954; 1961])
- SAMUEL R. BERENBERG, *Clinical Associate Professor of Pediatrics; Clinical Assistant Professor of Public Health*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1931, Amherst; M.D. 1935, Vermont. [1947; 1961])
- ROY W. BONSNES, *Associate Professor of Biochemistry; Associate Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, Connecticut; Ph.D. 1939, Yale. [1941; 1950])
- HARRY W. BURNETT, JR., *Associate Professor of Radiology*. Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern. [1948; 1953])
- KATHERINE BUTLER, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. Assistant Visiting Physician, Bellevue Hospital. (A.B. 1920, Mt. Holyoke; M.A. 1926, Columbia; M.D. 1935, Cornell. [1938; 1961])
- GEORGE B. CHAPMAN, *Associate Professor of Anatomy*. (A.B. 1950, A.M. 1952, Ph.D. 1953, Princeton University. [1960])
- ENGINE E. CLIFFTON, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital; Assistant Attending Surgeon, Memorial Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (B.S. 1933, Lafayette College; M.D. 1937, Yale. [1938; 1955])
- JOHN R. COBB, *Clinical Associate Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1925, Brown; M.D. 1930, Yale; Med.Sc.D. 1936, Columbia. [1951; 1957])
- EUGENE J. COHEN, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.A. 1933, M.S. 1934, Wisconsin; M.D. 1938, Cornell. [1940; 1961])
- WILLIAM COOPER, *Clinical Associate Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (B.S. 1929, New York University; M.D. 1933, Long Island College of Medicine. [1951; 1959])
- WILLIAM A. COOPER, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])
- FRANK E. CORMIA, *Clinical Associate Professor of Medicine (Dermatology)*. Associate Attending Physician, New York Hospital. (B.S. 1926, M.D. 1930, Vermont. [1947; 1956])
- NELSON W. CORNELL, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1918, M.D. 1921, Cornell. [1925; 1942])
- GUIDO CURRARINO, *Associate Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (M.D. 1945, University of Genoa. [1961])

- MARGARET DANN, *Associate Professor of Pediatrics*. Attending Pediatrician, New York Hospital. (A.B. 1923, Oberlin; M.S. 1925, Illinois; Ph.D. 1932, Cornell; M.D. 1937, Yale. [1938; 1956])
- MICHAEL R. DEDDISH, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1933, M.D. 1937, Ohio State University. [1942; 1955])
- PAUL F. DE GARA, *Clinical Associate Professor of Pediatrics (Allergy)*. Associate Attending Pediatrician, New York Hospital. (M.D. 1926, Heidelberg University; M.D. 1927, Padua University. [1941; 1957])
- HENRY D. DIAMOND, *Clinical Associate Professor of Medicine*. Attending Physician, Memorial Hospital. (A.B. 1941, M.D. 1944, Louisville. [1947; 1958])
- PETER DINEEN, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (M.D. 1947, Cornell. [1949; 1960])
- JOHN W. DRAPER, *Clinical Associate Professor of Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Visiting Surgeon in Charge of Urological Service, Bellevue Hospital. (A.B. 1927, Dartmouth; M.D. 1931, Cornell. [1932; 1949])
- EDWARD A. DUNLAP III, *Clinical Associate Professor of Surgery (Ophthalmology)*. Associate Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1932, Westminster; M.D. 1935, Western Reserve. [1945; 1960])
- MURRAY DWORETZKY, *Clinical Associate Professor of Medicine; Clinical Assistant Professor of Public Health*. Assistant Attending Physician, New York Hospital. (A.B. 1938, Pennsylvania; M.D. 1942, Long Island College of Medicine; M.S. 1950, Minnesota. [1951; 1961])
- JOHN H. ECKEL, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (B.S. 1929, New York University; M.D. 1933, Cornell. [1934; 1946])
- GEORGE F. EGAN, *Clinical Associate Professor of Surgery (Dental Surgery)*. Attending Dental Surgeon in Charge, New York Hospital. (D.M.D. 1931, Harvard. [1933; 1953])
- JOHN T. ELLIS, *Associate Professor of Pathology; Associate Professor of Pathology in Surgery*. Attending Pathologist, New York Hospital. (A.B. 1942, University of Texas; M.D. 1945, Northwestern. [1948; 1957])
- MARY ALLEN ENGLE, *Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1942, Baylor; M.D. 1945, Johns Hopkins. [1948; 1959])
- RALPH L. ENGLE, JR., *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.S. 1942, University of Florida; M.D. 1945, Johns Hopkins. [1949; 1957])
- NATHAN EPSTEIN, *Clinical Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1922, M.I.T.; Ph.D. 1928, Columbia; M.D. 1934, Munich. [1946; 1961])
- MARION E. ERLANDSON, *Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1946, Oberlin College; M.D. 1950, Harvard. [1955; 1961])
- JOSEPH H. FARROW, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. (B.S. 1926, M.D. 1930, Virginia. [1950; 1960])
- AARON FEDER, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (M.D. 1938, Maryland. [1941; 1959])
- NATHANIEL FINBY, *Associate Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1938, M.D. 1942, Johns Hopkins. [1954; 1958])
- WILLIAM T. FOLEY, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1933, Columbia; M.D. 1937, Cornell. [1946; 1959])
- JOHN E. FRANKLIN, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital; Associate Attending Pediatrician, Memorial Hospital. (B.S. 1928, Notre Dame; M.D. 1932, Harvard. [1947; 1959])
- EDGAR L. FRAZELL, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1929, M.D. 1931, Texas. [1950; 1958])
- RALPH W. GAUSE, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1926, Texas; M.D. 1930, Harvard. [1935; 1954])
- RANDOLPH GEPFERT, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1929, Georgia. [1941; 1956])
- GERHARD GIEBISCH, *Associate Professor of Physiology*. (M.D. 1951, University of Vienna. [1954; 1960])
- WILLIAM P. GIVEN, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending

# 10 CORNELL MEDICAL COLLEGE

- Obstetrician and Gynecologist, New York Hospital. (A.B. 1941, Harvard; M.D. 1944, Cornell. [1946; 1960])
- OSCAR GLASSMAN, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1923, Utah; M.D. 1925, New York University. [1932; 1958])
- HENRY P. GOLDBERG, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital; Associate Attending Pediatrician, Hospital for Special Surgery. (A.B. 1932, M.D. 1936, Johns Hopkins. [1946; 1960])
- ARTHUR V. GREELEY, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1925, Yale; M.D. 1929, Johns Hopkins. [1932, 1957])
- SIDNEY M. GREENBERG, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1925, M.D. 1928, Cornell. [1934; 1959])
- ROGER L. GREIF, *Associate Professor of Physiology*. Assistant Attending Physician, New York Hospital. (B.S. 1937, Haverford; M.D. 1941, Johns Hopkins. [1953; 1955])
- FRANCIS J. HAMILTON, *Clinical Associate Professor of Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1928, St. Joseph's; M.D. 1933, Jefferson. [1940; 1958])
- LAWRENCE W. HANLON, *Associate Dean*. (A.B. 1935; M.D. 1938, Cornell. [1946; 1955])
- LEON D. HELLMAN, *Associate Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1941, Columbia; M.D. 1945, Long Island College; Med.Sc.D. 1951, Columbia. [1952; 1958])
- ULRICH K. HENSCKE, *Clinical Associate Professor of Radiology*. Associate Attending Radiation Therapist, Memorial Hospital. (Ph.D. 1937, M.D. 1939, University of Berlin. [1956])
- LAWRENCE E. HINKLE, JR., *Clinical Associate Professor of Medicine; Clinical Associate Professor of Medicine in Psychiatry*. Assistant Attending Physician, New York Hospital. (A.B. 1938, North Carolina; M.D. 1942, Harvard. [1947; 1956])
- ELLIOT HOCHSTEIN, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1928, Columbia; M.D. 1932, New York University. [1952; 1956])
- GEORGE R. HOLSWADE, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1940, Brown; M.D. 1943, Cornell. [1944; 1959])
- EDWARD W. HOOK, JR., *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1943, Wofford College; M.D. 1949, Emory University. [1959])
- MELVIN HORWITH, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1947, Union; M.D. 1951, Albany Medical College. [1953; 1959])
- WILLIAM S. HOWLAND, *Associate Professor of Anesthesiology in Surgery*. Attending Anesthesiologist and Chairman, Department of Anesthesiology, Memorial Hospital. (B.S. 1941, Notre Dame; M.D. 1944, Columbia. [1954])
- DONALD G. JOHNSON, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1957])
- EDMUND N. JOYNER, III, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.S. 1927, Virginia Military Institute; M.D. 1932, Cornell. [1934; 1949])
- WILLIAM H. KAMMERER, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery; Associate Visiting Physician, Bellevue Hospital. (B.S. 1931, M.D. 1935, Indiana. [1941; 1961])
- DAVID A. KARNOFSKY, *Associate Professor of Medicine*. Attending Physician, Memorial Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1934, California; A.M. 1936, M.D. 1940, Stanford. [1949; 1952])
- GEORGE L. KAUER, JR., *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1958])
- B. H. KEAN, *Clinical Associate Professor of Medicine (Tropical Medicine); Assistant Professor of Parasitology in Public Health*. Assistant Attending Physician, New York Hospital. (A.B. 1933, University of California (Berkeley); M.D. 1937, Columbia. [1952; 1956])
- AARON KELLNER, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1934, Yeshiva University; M.S. 1935, Columbia; M.D. 1939, University of Chicago. [1946; 1953])
- HEDWIG KOENIG, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician,

- cian, New York Hospital. (A.B. 1918, Barnard; M.A. 1920, Columbia; M.D. 1929, Johns Hopkins. [1935; 1959])
- RICHARD N. KOHL, *Associate Professor of Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1938, M.D. 1942, University of Cincinnati. [1945; 1959])
- ELMER E. KRAMER, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1935, M.D. 1938, Tulane. [1946; 1957])
- JOHN S. LADUE, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital. (B.S. 1932, M.S. 1940, Ph.D. 1941, Minnesota; M.D. 1936, Harvard. [1948; 1957])
- ERNEST W. LAMPE, *Clinical Associate Professor of Surgery; Clinical Assistant Professor of Anatomy*. Associate Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (B.S. 1920, Minnesota; M.D. 1923, Rush Medical School. [1941; 1953])
- ROBERT LANDESMAN, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Columbia; M.D. 1939, Cornell. [1949; 1958])
- DOROTHEA C. LEIGHTON, *Clinical Associate Professor of Psychiatry (Social Psychiatry)*. (A.B. 1930, Bryn Mawr; M.D. 1936, Johns Hopkins. [1957; 1958])
- MILTON I. LEVINE, *Clinical Associate Professor of Pediatrics*. Attending Pediatrician, New York Hospital. (B.S. 1923, C.C.N.Y.; M.D. 1927, Cornell. [1933; 1954])
- ALLYN B. LEY, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Memorial Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1939, Dartmouth; M.D. 1942, Columbia. [1947; 1955])
- FREDERICK L. LIEBOLT, *Clinical Associate Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1925, LL.D. 1948, Arkansas; M.D. 1930, Washington University; Sc.D. 1937, Columbia. [1939; 1946])
- ROBERT M. LINTZ, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery; Visiting Physician, Bellevue Hospital. (A.B. 1924, M.D. 1927, Cornell. [1932; 1961])
- MARY H. LOVELESS, *Clinical Associate Professor of Medicine (Allergy)*. Assistant Attending Physician, New York Hospital. (A.B. 1921, M.D. 1925, Stanford. [1939; 1948])
- DANIEL S. LUKAS, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1944, M.D. 1947, Columbia. [1948; 1957])
- JOHN MACLEOD, *Associate Professor of Anatomy*. (A.B. 1934, M.Sc. 1937, New York University; Ph.D. 1941, Cornell. [1941; 1949])
- BENJAMIN E. MARBURY, *Clinical Associate Professor of Anesthesiology in Surgery; Clinical Associate Professor of Anesthesiology in Obstetrics and Gynecology*. Attending Anesthesiologist, New York Hospital. (A.B. 1939, B.S. 1942, Missouri; M.S. 1941, Louisiana State; M.D. 1944, Washington University. [1948; 1957])
- KIRBY A. MARTIN, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1922, Washington University, St. Louis. [1927; 1961])
- FLETCHER H. McDOWELL, *Associate Professor of Medicine (Neurology)*. Assistant Attending Physician, New York Hospital. Consulting Associate Neurologist, Memorial Hospital. (A.B. 1944, Dartmouth; M.D. 1947, Cornell. [1952; 1961])
- FRANK J. MCGOWAN, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1919, M.D. 1921, Columbia. [1932; 1961])
- CHARLES M. McLANE, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Assistant Attending Radiologist (Obstetrics and Gynecology), New York Hospital. (A.B. 1924, M.D. 1928, Johns Hopkins. [1932; 1949])
- GORDON P. MCNEER, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. (M.D. 1931, Pennsylvania. [1950; 1960])
- CURTIS L. MENDELSON, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1934, Michigan; M.D. 1938, Cornell. [1938; 1957])
- WALTER MODELL, *Associate Professor of Pharmacology*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1928, C.C.N.Y.; M.D. 1932, Cornell. [1932; 1954])
- GEORGE E. MURPHY, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1939, Kansas; M.D. 1943, Pennsylvania. [1953; 1954])
- M. LOIS MURPHY, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, Memorial Hospital. (A.B. 1939, M.D. 1944, Nebraska. [1952; 1960])



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- W. P. LAIRD MYERS, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Memorial Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.S. 1943, Yale; M.D. 1945, Columbia; M.S. (Med.) 1952, Minnesota. [1953; 1959])
- WILLIAM F. NICKEL, JR., *Clinical Associate Professor of Surgery*. Attending Surgeon, New York Hospital. (A.B. 1930, M.D. 1934, Johns Hopkins. [1935; 1950])
- THEODORE W. OPPEL, *Clinical Associate Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1926, M.A. 1927, Wisconsin; M.D. 1929, Pennsylvania. [1932; 1951])
- CHARLES H. O'REGAN, *Clinical Associate Professor of Pediatrics*. Attending Pediatrician, New York Hospital. (B.A. 1919, University of St. Francis Xavier; M.D.C.M. 1928, McGill. [1944; 1957])
- GEORGE T. PACK, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. (B.S. 1920, Ohio State; M.D. 1922, Yale. [1935; 1950])
- HERBERT PARSONS, *Clinical Associate Professor of Surgery (Neurosurgery)*. Associate Attending Surgeon (Neurosurgery), New York Hospital; Consulting Associate Neurosurgeon, Memorial Hospital; Visiting Assistant in Charge of Neurosurgery, Bellevue Hospital. (A.B. 1931, Yale; M.D. 1935, Harvard. [1938; 1954])
- ROBERT L. PATTERSON, *Clinical Associate Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1928, Georgia; M.D. 1932, Harvard. [1951])
- MARY ANN PAYNE, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1935, Hood; M.A. 1941, Ph.D. 1943, Wisconsin; M.D. 1945, Cornell. [1946; 1959])
- RALPH E. PETERSON, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (B.S. 1940, M.S. 1941, Kansas State; M.D. 1946, Columbia. [1958])
- RALPH F. PHILLIPS, *Clinical Associate Professor of Radiology*. Associate Attending Radiation Therapist, Memorial Hospital. (B.S.M.B. 1928, M.S. 1930, University of London; D.M.R.E. 1933, Royal College of England. [1950; 1951])
- JULIAN R. RACHELE, *Associate Professor of Biochemistry*. (B.A. 1934, M.S. 1935, Ph.D. 1939, New York University. [1940; 1948])
- GOETZ W. RICHTER, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1943, Williams; M.D. 1948, Johns Hopkins [1948; 1958])
- PETER-CYRUS RIZZO, *Clinical Associate Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1926, New York University. [1951; 1961])
- LEONARD ROSS, *Associate Professor of Anatomy*. (A.B. 1946, M.S. 1949, Ph.D. 1954, New York University. [1957; 1961])
- SIDNEY ROTHBARD, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital; Associate Attending Physician, Hospital for Special Surgery. (A.B. 1931, Colgate; M.D. 1935, Rochester. [1951])
- ALBERT L. RUBIN, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital. (M.D. 1950, Cornell. [1951; 1959])
- NELSON B. SACKETT, *Clinical Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1917, Princeton; M.D. 1923, Columbia. [1932; 1954])
- RICHARD H. SAUNDERS, *Associate Dean; Assistant Professor of Medicine*. Assistant Attending Physician. (B.A. 1939, University of Richmond; M.D. 1943, Rochester. [1960])
- GEORGE SCHAEFER, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1951; 1958])
- DONALD J. SIMONS, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1927, Brown; M.D. 1931, Harvard. [1939; 1948])
- MARVIN H. SLEISINGER, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (M.D. 1947, Harvard. [1951; 1957])
- MARTIN SONENBERG, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1941, Pennsylvania; M.D. 1944, Ph.D. 1952, New York University. [1950; 1957])
- CHESTER M. SOUTHAM, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1941, M.S. 1943, Idaho; M.D. 1947, Columbia. [1951; 1958])
- ISRAEL STEINBERG, *Clinical Associate Professor of Radiology; Clinical Associate Professor*

- of Medicine. Associate Attending Physician, Assistant Attending Radiologist (Angiocardiology), New York Hospital. (B.S. 1924, M.D. 1928, Harvard. [1940; 1960])
- LEE R. STRAUB, *Clinical Associate Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D.C.M. 1940, McGill. [1951; 1955])
- JOHN Y. SUGG, *Associate Professor of Microbiology and Immunology*. (B.S. 1926, Ph.D. 1931, Vanderbilt. [1932; 1943])
- WILLIAM J. SWEENEY, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1942, Maryville College; M.D. 1949, Cornell. [1950; 1960])
- DAVID D. THOMPSON, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1943, M.D. 1946, Cornell. [1947; 1957])
- ALPHONSE E. TIMPANELLI, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1938; 1953])
- DOUGLAS P. TORREY, *Clinical Associate Professor of Medicine (Dermatology)*. Associate Attending Physician, New York Hospital; Consulting Assistant Dermatologist, Memorial Hospital. (B.S. 1940, M.D. 1943, Tulane. [1950; 1960])
- JANET TRAVELL, *Clinical Associate Professor of Pharmacology*. (A.B. 1922, Wellesley; M.D. 1926, Cornell. [1930; 1947])
- PARKER VANAMEE, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1942, Yale; M.D. 1945, Cornell. [1955; 1961])
- LEWIS C. WAGNER, *Clinical Associate Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1916, Georgetown; M.D. 1920, Johns Hopkins. [1951])
- GEORGE E. WANTZ, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (M.D. 1946, University of Michigan. [1950; 1961])
- WILLIAM L. WATSON, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1922, M.D. 1925, Cornell. [1940; 1959])
- BRUCE P. WEBSTER, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (M.D.C.M. 1925, McGill. [1932; 1947])
- LIVINGSTON WELCH, *Associate Professor of Psychology in Psychiatry*. (A.B. 1931, M.A. 1932, Ph.D. 1935, Columbia. [1947; 1952])
- JOHN P. WEST, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (B.S. 1927, Alabama Polytechnic Institute; M.D. 1932, Cornell. [1938; 1954])
- MARJORIE A. WHEATLEY, *Clinical Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1959])
- WILLET F. WHITMORE, JR., *Clinical Associate Professor of Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Attending Surgeon, Memorial Hospital. (B.S. 1938, Rutgers; M.D. 1942, Cornell. [1943; 1953])
- BYARD WILLIAMS, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Attending Physician, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital. (A.B. 1926, Williams; M.D. 1930, Columbia. [1933; 1953])
- PHILIP D. WILSON, JR., *Clinical Associate Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Orthopedic Surgeon, Hospital for Special Surgery. (M.D. 1944, Columbia. [1951; 1961])
- FELIX WROBLEWSKI, *Clinical Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1942, M.D. 1945, New York University. [1954; 1961])

## ASSISTANT PROFESSORS

- IRVING ABRAHAM, *Assistant Professor of Microbiology and Immunology*. (B.S. 1934, C.C.N.Y.; Ph.D. 1952, Cornell [1950; 1957])
- JOHN J. ADAIR, *Assistant Professor of Social Anthropology in Public Health*. (Ph.B. 1937, Wisconsin; Ph.D. 1948, New Mexico. [1955])
- KENNETH C. ARCHIBALD, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1950, St. Lawrence University; M.D. 1953, Cornell. [1958])
- THANE ASCH, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.S. 1951, Columbia; M.D. 1955, Cornell. [1958; 1960])

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- BARBARA S. ASHE, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1947, Wellesley; M.D. 1951, New York University. [1951; 1959])
- SAM C. ATKINSON, *Clinical Assistant Professor of Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (A.B. 1937, Mississippi; M.D. 1941, Tulane. [1950; 1960])
- D. ROBERT AXELROD, *Clinical Assistant Professor of Physiology*. (M.D. 1948, New York University. [1950; 1956])
- IRVING BARAS, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon, New York Hospital. (A.B. 1942, M.D. 1945, Cornell. [1961])
- JEREMIAH A. BARONDESS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (M.D. 1949, Johns Hopkins. [1953; 1959])
- CHARLES H. BAUER, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1949, Columbia; M.D. 1953, Harvard. [1961])
- CURTIS H. BAYLOR, *Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1929, Emory and Henry College; M.D. 1935, Johns Hopkins. [1954; 1955])
- E. LOVELL BECKER, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.A. 1944, Washington and Lee; M.D. 1948, Cincinnati. [1957])
- STANLEY J. BEHRMAN, *Clinical Assistant Professor of Surgery (Dental Surgery)*. Associate Attending Dental Surgeon, New York Hospital. (A.B. 1942, New York University; D.D.S. 1945, Pittsburgh. [1948; 1953])
- ANNE M. BELCHER, *Clinical Assistant Professor of Surgery (Otolaryngology)*. Associate Attending Surgeon (Otolaryngology), New York Hospital. (A.B. 1917, M.D. 1920, Cornell. [1942; 1956])
- FRANCIS A. BENEVENTI, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (M.D. 1930, Long Island College of Medicine. [1949; 1958])
- RICHARD S. BENUA, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1943, Western Reserve; M.D. 1946, Johns Hopkins; M.S. 1952, Minnesota. [1956])
- BEATRICE B. BERLE, *Clinical Assistant Professor of Public Health; Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1923, Vassar; M.A. 1924, Columbia; M.D. 1928, New York University. [1946; 1961])
- CARL A. BERNSTEN, JR., *Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital; Assistant Attending Physician, Hospital for Special Surgery. (A.B. 1942, California; M.D. 1945, Johns Hopkins. [1961])
- OTTO E. BILLO, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1930, Williams; M.D. 1935, Harvard. [1947; 1954])
- STANLEY J. BIRNBAUM, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1942, Queens; M.D. 1951, Cornell. [1961])
- ROBERT J. BOOHER, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1934, M.D. 1938, Creighton University. [1954; 1956])
- C. PAUL BOYAN, *Clinical Assistant Professor of Anesthesiology in Surgery*. Associate Attending Anesthesiologist, Memorial Hospital. (M.D. 1941, State University, Sofia; D.D.S. 1947, University of Graz, Austria. [1954; 1957])
- PAUL W. BRAUNSTEIN, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1945, Holy Cross; M.D. 1947, Harvard. [1948; 1957])
- KEEVE BRODMAN, *Clinical Assistant Professor of Medicine*. (B.S. 1927, C.C.N.Y.; M.D. 1931, Cornell. [1938; 1950])
- FELIX BRONNER, *Assistant Professor of Biochemistry in Surgery (Orthopedics)*. Attending Biochemist, Hospital for Special Surgery. (B.S., 1941, California; Ph.D. 1952, M.I.T. [1961])
- EUGENE BRONSTEIN, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiologist, Memorial Hospital. (M.D. 1948, Maryland. [1957; 1960])
- DANA C. BROOKS, *Assistant Professor of Anatomy*. (B.E.E. 1949, M.D. 1957, Cornell. [1922; 1961])
- MYRON I. BUCHMAN, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1943, Lehigh; M.D. 1946, Johns Hopkins. [1950; 1958])



- CHARLES L. BURSTEIN, *Clinical Assistant Professor of Anesthesiology in Surgery*. Associate Attending Anesthesiologist, New York Hospital; Director of Anesthesiology, Hospital for Special Surgery. (B.S. 1928, New York University; M.D. 1934, University of Paris. [1955])
- WILLIAM G. CAHAN, *Clinical Assistant Professor of Anesthesiology in Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1935, Harvard; M.D. 1939, Columbia. [1950; 1956])
- JUSTIN T. CALLAHAN, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1939, M.D. 1943, Columbia. [1954])
- ROLLA D. CAMPBELL, JR., *Clinical Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1942, Harvard; M.D. 1945, Columbia. [1956; 1958])
- ERIC T. CARLSON, *Clinical Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1944, Wesleyan; M.D. 1950, Cornell. [1952; 1958])
- HENRY A. CARR, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1931, Princeton; M.D. 1935, Cornell. [1947; 1950])
- WILLIAM D. CASH, *Assistant Professor of Biochemistry*. (B.S. 1951, Ph.D. 1954, North Carolina. [1954; 1958])
- LORING F. CHAPMAN, *Assistant Professor of Psychology in Medicine (Neurology)*. (B.S. 1950, Nevada; Ph.D. 1955, University of Chicago. [1958])
- AARON D. CHAVES, *Clinical Assistant Professor of Public Health; Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1931, William and Mary; M.D. 1935, New York University. [1946; 1951])
- FLORENCE CHIEN-HWA CHU, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiation Therapist, Memorial Hospital. (M.D. 1942, National Medical College of Shanghai. [1956])
- WILLIAM N. CHRISTENSON, *Assistant Professor of Medicine*. (B.S. 1949, North Carolina; M.D. 1948, Johns Hopkins. [1953; 1959])
- KUO YORK CHYNN, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (M.S. 1954, St. Louis University; M.D. 1949, National Tung Chi University. [1958])
- ROY CLEELAND, JR., *Assistant Professor of Microbiology and Immunology*. (B.A. 1954, Pennsylvania; M.A. 1957, Ph.D. 1958, Iowa. [1958; 1960])
- JOHN T. COLE, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Duke; M.D. 1940, Maryland. [1952; 1954])
- HARVEY SHIELDS COLLINS, *Assistant Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1935, California; M.A. 1940, M.D. 1943, Harvard. [1952; 1954])
- GEORGE N. CORNELL, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1950, Cornell. [1951; 1958])
- ROBERT L. CRAIG, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1923, C.C.N.Y.; M.D. 1926, Cornell. [1942; 1949])
- F. MITCHELL CUMMINS, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.S. 1942, Harvard; M.D. 1945, Columbia. [1951; 1960])
- WILLIAM W. DANIEL, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1937, North Carolina; M.D. 1941, Harvard. [1961])
- HELEN E. DANIELLS, *Clinical Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1937, Barnard; M.D. 1941, Cornell. [1945; 1958])
- E. WILLIAM DAVIS, JR., *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1947, Wesleyan; M.D. 1951, Cornell. [1952; 1960])
- PETER G. DENKER, *Clinical Assistant Professor of Medicine (Neurology)*. Visiting Physician, Bellevue Hospital. (B.S. 1923, C.C.N.Y.; M.D. 1927, Cornell. [1932; 1941])
- THOMAS F. DILLON, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1947, Georgetown University. [1952; 1960])
- SAMUEL W. DOOLEY, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1934, Illinois Wesleyan; M.D. 1938, Johns Hopkins. [1940; 1954])

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- J. EDWIN DREW, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (B.S. 1930, Georgetown; M.D. 1934, Columbia. [1942; 1958])
- ROBERT O. DuBOIS, *Clinical Assistant Professor of Pediatrics*. Consulting Pediatrician, New York Hospital. (A.B. 1915, M.D. 1919, Columbia. [1923; 1940])
- HOWARD S. DUNBAR, *Clinical Assistant Professor of Surgery (Neurosurgery)*. Assistant Attending Surgeon (Neurosurgery), New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1941, M.D. 1944, Cornell. [1949; 1953])
- WILLIAM J. EISENMENGER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1937, Fordham; M.D. 1941, Cornell. [1955])
- ROSE-RUTH ELLISON, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.A. 1943, Barnard; M.D. 1948, Columbia. [1952; 1957])
- ALBERT J. ERDMANN, JR., *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1933, Yale; M.D. 1937, Harvard. [1940; 1953])
- GEORGE C. ESCHER, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1933, Columbia; M.D. 1937, Long Island College of Medicine. [1952; 1959])
- HOLLON W. FARR, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital; Assistant Attending Surgeon, Memorial Hospital. (B.S. 1939, Yale; M.D. 1942, Harvard. [1952; 1953])
- JOHN T. FARRAR, *Clinical Assistant Professor of Medicine*. (A.B. 1942, Princeton; M.D. 1945, Washington University. [1956])
- GEORGE A. FIEDLER, *Clinical Assistant Professor of Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (B.S. 1923, Wisconsin; M.D. 1925, Pennsylvania. [1950])
- JOHN A. FINKBEINER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1939, Pittsburgh; M.D. 1942, Western Reserve. [1955; 1956])
- JOHN T. FINKENSTADT, *Assistant Professor of Anatomy*. (B.A. 1943, Williams; M.D. 1946, Harvard. [1960])
- WILLIAM F. FINN, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Holy Cross; M.D. 1940, Cornell. [1942; 1948])
- FREDERIC F. FLACH, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1947, St. Peter's; M.D. 1951, Cornell. [1954; 1958])
- ELIZABETH F. FOCHT, *Assistant Professor of Radiology (Physics)*. Attending Radiation Physicist, New York Hospital; Consulting Associate Physicist, Memorial Hospital. (A.B. 1935, Barnard. [1947; 1951])
- JOSEPH G. FORTNER, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, Memorial Hospital. (B.S. 1944, M.D. 1945, Illinois. [1955; 1958])
- ALAN W. FRASER, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1939, Bard; M.D. 1943, Cornell. [1944; 1960])
- ROBERT H. FREIBERGER, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital; Directing Roentgenologist, Hospital for Special Surgery. (M.D. 1949, Tufts. [1956])
- ALVIN H. FREIMAN, *Clinical Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. (B.A. 1947, New York University; M.S. 1949, Illinois; M.D. 1953, New York University. [1958; 1960])
- CONSTANCE FRIESS, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, Cornell. [1933; 1944])
- GEORGE W. FRIMPTER, *Assistant Professor of Medicine*. (B.A. 1948, Williams; M.D. 1952, Cornell. [1961])
- MILES A. GALIN, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital; Consulting Assistant Ophthalmologist, Memorial Hospital. (A.B. 1951, M.D. 1955, New York University. [1960])
- HORACE T. GARDNER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.A. 1935, University of New Mexico; M.D. 1941, Yale. [1960])
- WILLIAM GELLER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1943, M.D. 1946, Boston University. [1956; 1957])
- HAROLD GENVERT, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (D.D.S. 1932, Pennsylvania; M.D. 1936, Yale. [1937; 1950])

- WILLIAM A. GEOHEGAN, *Clinical Assistant Professor of Anatomy*. (E.E. 1929, M.D. 1941, Cornell. [1941; 1944])
- MARVIN J. GERSH, *Clinical Assistant Professor of Pediatrics*. (B.A. 1941, Alfred University; M.D. 1945, New York University. [1951; 1960])
- HELENA GILDER, *Assistant Professor of Biochemistry; Assistant Professor of Biochemistry in Surgery*. (A.B. 1935, Vassar; M.D. 1940, Cornell. [1947; 1953])
- ELSIE A. GIORGI, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1931, Hunter; M.D. 1949; Columbia. [1952; 1958])
- MARTIN J. GLYNN, *Clinical Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1931, Fordham; M.D. 1935, Long Island College of Medicine. [1939; 1946])
- ROBERT B. GOLBEY, *Clinical Assistant Professor of Medicine*. (B.S. 1943, Bethany; M.D. 1949, New York University. [1961])
- EDWARD I. GOLDSMITH, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1947, M.D. 1950, Cornell. [1958; 1960])
- CHARLES H. GOODRICH, *Assistant Professor of Medicine*. (A.B. 1947, Princeton; M.D. 1951, Harvard. [1957; 1960])
- DAN M. GORDON, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1929, M.D. 1932, Michigan. [1945; 1948])
- SIGMUND N. GROCH, *Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1948, Columbia; M.D. 1949, Tufts; M.S. (Med.) 1956, Minnesota. [1957; 1959])
- AUGUST H. GROESCHEL, *Assistant Professor of Public Health*. Associate Director, New York Hospital. (A.B. 1927, Holy Cross College; M.D. 1931, M.S. 1947, Columbia. [1952; 1954])
- THOMAS C. GUTHRIE, *Clinical Assistant Professor of Medicine (Neurology)*. Assistant Attending Physician, New York Hospital. (A.B. 1943, Princeton; M.D. 1947, Columbia. [1954; 1960])
- SUSAN J. HADLEY, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1941, Wisconsin; M.D. 1944, Cornell. [1946; 1952])
- WILBUR D. HAGAMEN, *Assistant Professor of Anatomy*. (B.S. 1945, Baldwin-Wallace College; M.D. 1951, Cornell. [1949; 1953])
- MORDECAI HALPERN, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (B.S. 1940, Michigan; M.D. 1943, Cornell. [1960])
- JAMES Q. HARALAMBIE, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1931, Oberlin; M.D. 1935, Yale. [1939; 1949])
- GEORGE S. HARRIS, JR., *Clinical Assistant Professor of Pediatrics*. (B.A. 1945, Middlebury; M.D. 1949, University of Rochester. [1955; 1960])
- JAMES C. HARKIN, *Assistant Professor of Pathology*. (B.S. 1947, University of Colorado; M.D. 1951, University of Nebraska. [1961])
- GRAHAM G. HAWKS, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1935, Colgate; M.D. 1940, New York University. [1953; 1958])
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- MILTON HELPERN, *Clinical Assistant Professor of Medicine*. Director, Pathology and Research Laboratory, Hospital for Special Surgery. (B.S. 1922, C.C.N.Y.; M.D. 1926, Cornell. [1931; 1940])
- HAROLD G. HEMPLING, *Assistant Professor of Physiology*. (A.B. 1948, New York University; M.A. 1950, Oberlin; Ph.D. 1953, Princeton. [1957])
- ALEXANDER HERSH, *Clinical Assistant Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Surgeon, Hospital for Special Surgery. (B.S. 1930, M.D. 1934, New York University. [1951; 1958])
- NORMAN L. HIGINBOTHAM, *Clinical Assistant Professor of Surgery*. Attending Surgeon, Memorial Hospital. (M.D.C.M. 1926, McGill. [1940; 1950])
- ARTHUR I. HOLLEB, *Clinical Assistant Professor of Surgery*. (A.B. 1941, Brown; M.D. 1944, New York University. [1960])
- JAMES M. HOLMAN, *Clinical Assistant Professor of Surgery (Otolaryngology)*. Assistant Attending Surgeon (Otolaryngology), New York Hospital. (B.S. 1936, South Carolina; M.D. 1940, Medical College of South Carolina. [1946; 1955])

- EUGENE L. HORGER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1940, M.D. 1943, Duke. [1945; 1959])
- S. STEVEN HOTTA, *Assistant Professor of Biochemistry*. (A.B. 1950; Ph.D. 1953, California; M.D. 1958, Johns Hopkins. [1961])
- RAYMOND W. HOUDE, *Assistant Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1940, M.D. 1943, New York University. [1950; 1953])
- CHARLES C. HUGHES, *Assistant Professor of Anthropology in Psychiatry (Social Psychiatry)*. (A.B. 1951, Harvard; M.A. 1953, Ph.D. 1957, Cornell. [1958; 1960])
- GUSTAVUS A. HUMPHREYS, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946])
- FREDERICK C. HUNT, *Clinical Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1924, Western Ontario. [1932; 1940])
- ABRAHAM S. JACOBSON, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, Hospital for Special Surgery. (A.B. 1932, A.M. 1933, Columbia; M.D. 1940, New York University. [1955])
- GEORGE JASPIN, *Clinical Assistant Professor of Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1932, Columbia; M.D. 1936, Michigan. [1945; 1948])
- GRAHAM H. JEFFRIES, *Assistant Professor of Medicine*. (M.B., Ch.B. 1953, University of New Zealand; Ph.D. 1955, Oxford; M.R.C.P. 1957, London. [1961])
- D. REES JENSEN, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (M.D. 1925, Columbia. [1928; 1949])
- VANSEL S. JOHNSON, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1925, Kansas. [1959])
- RICHARD C. KARL, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1942, Columbia; M.D. 1944, Cornell. [1946; 1955])
- JOSEPH T. KAUER, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1953])
- EDWARD B. C. KEEFER, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1939, M.D.C.M., 1943, McGill. [1946; 1955])
- LEMOYNE C. KELLY, *Clinical Assistant Professor of Medicine*. (A.B. 1924, University of Rochester; M.D. 1929, Cornell. [1935; 1953])
- ANN P. KENT, *Clinical Assistant Professor of Public Health*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1930, George Washington University; M.D. 1933, Maryland; M.P.H. 1939, Johns Hopkins. [1950; 1954])
- RICHARD H. KESSLER, *Clinical Assistant Professor of Physiology*. (B.S. 1948, Rutgers; M.D. 1952, New York University. [1955; 1958])
- THOMAS KILLIP, III, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1948, Swarthmore; M.D. 1952, Cornell. [1953; 1958])
- FREDERIC T. KIRKHAM, JR., *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1947, Cornell. [1948; 1956])
- HENRY B. KIRKLAND, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital; Attending Cardiologist, Hospital for Special Surgery. (A.B. 1924, Princeton; M.D. 1928, Cornell. [1934; 1955])
- SEYMOUR G. KLEBANOFF, *Assistant Professor of Psychology in Psychiatry*. (A.B. 1937, Yale; Ph.D. 1947, Northwestern. [1950])
- GERALD H. KLINGON, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1942, Columbia; M.D. 1945, Cornell. [1953; 1956])
- CHARLES A. KNEHR, *Assistant Professor of Psychology in Psychiatry*. (A.B. 1932, A.M. 1933, Ph.D. 1941, Columbia. [1947; 1957])
- SAMUEL S. KOIDE, *Assistant Professor of Medicine*. (B.S. 1945, University of Hawaii; M.D. 1953, Ph.D. 1960, Northwestern. [1961])
- LEONHARD KORNGOLD, *Assistant Professor of Microbiology in Surgery (Orthopedics)*. (B.A. 1947, Brooklyn; M.Sc. 1948, Ph.D. 1950, Ohio State University. [1961])
- HERBERT KOTEN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1935, Wisconsin; M.D. 1939, Johns Hopkins. [1943; 1953])
- O. DHODANAND KOWLESSAR, *Assistant Professor of Medicine*. (B.A. 1948, Oxford; M.S. 1949, Iowa; M.D. 1955, University of Rochester. [1956; 1960])
- IRWIN H. KRAKOFF, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1943, M.D. 1947, Ohio State. [1956; 1958])

- MARGARET M. KUGLER, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1946, St. Joseph's; M.D. 1950, State University College of Medicine, New York City. [1956; 1959])
- SHERMAN KUPFER, *Clinical Assistant Professor of Physiology*. (M.D. 1948, Cornell. [1950; 1957])
- ALBERT S. KUPERMAN, *Assistant Professor of Pharmacology*. (A.B. 1952, New York University; Ph.D. 1957, Cornell. [1961])
- HENN KUTT, *Assistant Professor of Medicine*. (M.D. 1950, Frankfurt. [1961])
- MICHAEL LAKE, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1919, M.D. 1922, Cornell. [1926; 1953])
- NORVILLE C. LAMAR, *Clinical Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1921, M.D. 1925, Indiana. [1932; 1942])
- THOMAS S. LANGNER, *Assistant Professor of Sociology in Psychiatry*. (A.B. 1948, Harvard; Ph.D. 1954, Columbia. [1952; 1957])
- WALTER LAWRENCE, JR., *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, Memorial Hospital. (Ph.B. 1944, B.S. 1945, M.D. 1948, University of Chicago. [1957; 1958])
- RICHARD E. LEE, *Clinical Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. (B.S. 1939, Massachusetts; M.A. 1940, Ph.D. 1942, Harvard; M.D. 1947, Columbia. [1950; 1954])
- SOL S. LICHTMAN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1918, C.C.N.Y.; M.D. 1921, Cornell. [1943; 1947])
- JERROLD S. LIEBERMAN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (B.A. 1943, M.D. 1946, Cornell. [1951; 1960])
- WAN NGO LIM, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1945, National Shanghai Medical College. [1953; 1959])
- HARVEY A. LINCOFF, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon, (Ophthalmology), New York Hospital. (A.B. 1943, Harvard; M.D. 1948, Pittsburgh. [1960])
- MACK LIPKIN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1926, C.C.N.Y.; M.D. 1930, Cornell. [1953])
- MARTIN LIPKIN, *Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. A.B. 1946, M.D. 1950, New York University. [1955; 1960])
- MARVIN LORING, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (M.D. 1947, Chicago Medical College. [1959])
- LUCILE LOSEKE, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1938, M.S. 1940, M.D. 1940, Nebraska. [1952; 1955])
- DONALD B. LOURIA, *Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. (B.S. 1949, M.D. 1953, Harvard. [1954; 1960])
- MELVILLE G. MAGIDA, *Clinical Assistant Professor of Medicine*. (B.A. 1944, Johns Hopkins; M.D. 1946, Long Island College of Medicine. [1961])
- BERNARD MAISEL, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1936, M.D. 1940, Johns Hopkins. [1945; 1953])
- EDWARD C. MANN, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1946, M.D. 1950, Tulane. [1954; 1959])
- HENRY MANNIS, JR., *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1947, Holy Cross; M.D. 1950, Cornell. [1951; 1960])
- FLORENCE N. MARSHALL, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.A. 1944, Wellesley; M.D. 1948, Cornell. [1952; 1959])
- JAMES F. MASTERSON, JR., *Clinical Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (M.D. 1951, Jefferson Medical College. [1953; 1959])
- KLAUS MAYER, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1945, Queens College; M.D. 1950, University of Zurich and Groningen. [1958; 1960])
- VICTOR MAYER, *Clinical Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon, (Orthopedics), New York Hospital. (A.B. 1934, Lehigh; M.D. 1938, Jefferson Medical College. [1955; 1958])
- ABRAHAM MAZUR, *Assistant Professor of Biochemistry in Medicine*. (B.S. 1932, C.C.N.Y.; M.A. 1934, Ph.D. 1938, Columbia. [1941; 1949])
- VALENTINO D. B. MAZZIA, *Clinical Assistant Professor of Anesthesiology in Obstetrics and*



- Gynecology; Clinical Assistant Professor of Anesthesiology in Surgery.* Associate Attending Anesthesiologist, New York Hospital. (B.S. 1943, C.C.N.Y.; M.D. 1950, New York University. [1954; 1958])
- JAMES R. MCCARROLL, *Assistant Professor of Public Health.* Assistant Attending Physician, New York Hospital. (A.B. 1942, Colby College; M.D. 1946, Cornell. [1954; 1955])
- A. PARKS MCCOMBS, *Clinical Assistant Professor of Medicine.* Associate Attending Physician, New York Hospital. (B.S. 1925, Connecticut College; M.D. 1929, Cornell. [1930; 1956])
- RICHARD R. MCCORMACK, *Clinical Assistant Professor of Medicine.* Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1937, Columbia; M.D. 1941, Cornell. [1946; 1953])
- ROBERT M. McCUNE, JR., *Assistant Professor of Public Health.* Assistant Attending Physician, New York Hospital. (A.B. 1946, West Virginia; M.D. 1948, Johns Hopkins. [1951; 1955])
- ELLEN McDEVITT, *Assistant Professor of Medicine.* Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1930, Mississippi State; M.D. 1949, Utah. [1953; 1957])
- JOHN H. MCGOVERN, *Clinical Assistant Professor of Surgery (Urology).* Assistant Attending Surgeon (Urology), New York Hospital. (B.S. 1947, Columbia; M.D. 1952, State University College of Medicine, New York City. [1954; 1959])
- ROBERT G. MCGOVERN, *Clinical Assistant Professor of Pediatrics.* Assistant Attending Pediatrician, New York Hospital. (B.S. 1944, New York University; M.D. 1947, Columbia. [1951; 1959])
- MARION McILVEEN, *Clinical Assistant Professor of Pediatrics.* Assistant Attending Pediatrician, New York Hospital; Assistant Attending Pediatrician, Hospital for Special Surgery. (A.B. 1933, Smith; M.D. 1938, Woman's Medical College. [1943; 1958])
- FREDERICK C. McLELLAN, *Clinical Assistant Professor of Surgery (Urology).* Assistant Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
- ROBERT H. MELCHIONNA, *Clinical Assistant Professor of Medicine.* Assistant Attending Physician, New York Hospital. (B.S. 1929, St. John's University; M.D. 1925, St. Louis University. [1939; 1953])
- DANIEL G. MILLER, *Assistant Professor of Medicine.* Assistant Attending Physician, Memorial Hospital. (A.B. 1945, Colgate; M.D. 1948, University of Buffalo. [1957; 1960])
- LAURENCE MISCALL, *Clinical Assistant Professor of Surgery.* Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- JOAN E. MORGENTHAU, *Assistant Professor of Pediatrics.* Assistant Attending Pediatrician, New York Hospital. (A.B. 1945, Vassar; M.D. 1949, Columbia. [1954; 1958])
- GEORGE C. MUELLER, *Clinical Assistant Professor of Surgery (Otolaryngology).* Assistant Attending Surgeon (Otolaryngology), New York Hospital. (B.S. 1931, M.D. 1935, Georgetown. [1961])
- ZUHEIR MUJAHED, *Assistant Professor of Radiology.* Assistant Attending Radiologist, New York Hospital. (B.A. 1942, M.D. 1947, American University, Beirut. [1955; 1957])
- JAMES A. NICHOLAS, *Clinical Assistant Professor of Surgery (Orthopedics).* Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery; Associate Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1942, New York University; M.D. 1945, Long Island College of Medicine. [1958])
- IRWIN NYDICK, *Clinical Assistant Professor of Medicine.* Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.A. 1945, M.D. 1948, Columbia. [1953; 1960])
- WILLIAM M. O'LEARY, *Assistant Professor of Microbiology and Immunology.* (B.S. 1952, M.S. 1953, Ph.D. 1957, University of Pittsburgh. [1959])
- PHILLIP OLLSTEIN, *Clinical Assistant Professor of Public Health.* (M.D. 1927, Long Island College of Medicine. [1944; 1950])
- NORMAN PLUMMER, *Clinical Assistant Professor of Medicine.* Assistant Attending Physician, New York Hospital. (A.B. 1922, California; M.D. 1926, Cornell. [1928; 1941])
- NATHAN POKER, *Assistant Professor of Radiology.* Assistant Attending Radiologist, New York Hospital. (A.B. 1942, Brooklyn College; M.D. 1950, Columbia. [1953; 1956])
- JOHN L. POOL, *Assistant Professor of Surgery.* Associate Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- J. WILLIAM POPPEL, *Assistant Professor of Medicine.* Assistant Attending Physician, Memorial Hospital. (A.B. 1942, Texas College of Mines; M.B. 1946, M.D. 1947, Northwestern. [1952; 1956])

- R. A. REES PRITCHETT, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1944, Houghton College; M.D. 1948, Cornell. [1952; 1959])
- CURTIS T. PROUT, *Clinical Assistant Professor of Psychiatry*. Assistant Medical Director and Clinical Director, New York Hospital, Westchester Division. (A.B. 1921, M.D. 1924, Cornell; M.S. 1930, Michigan. [1948; 1951])
- LEON L. RACKOW, *Clinical Assistant Professor of Psychiatry*. (B.S. 1932, Pennsylvania State; M.D. 1936, University of Edinburgh. [1950; 1956])
- JAMES W. RALEIGH, *Clinical Assistant Professor of Medicine*. (A.B. 1933, Holy Cross; M.D. 1939, Long Island College of Medicine. [1961])
- FRED RAPP, *Assistant Professor of Microbiology and Immunology*. Microbiologist, Hospital for Special Surgery. (B.S. 1951, Brooklyn; M.S. 1956, Union; Ph.D. 1958, University of Southern California. [1961])
- S. FRANK REDO, *Assistant Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (B.S. 1942, Queens College; M.D. 1950, Cornell. [1956; 1958])
- JOSEPH F. REILLY, *Assistant Professor of Pharmacology; Assistant Professor of Pharmacology in Psychiatry*. (A.B. 1937, University of Illinois; M.A. 1939, Harvard; Ph.D. 1947, University of Chicago. [1948; 1953])
- ERIC C. RICHARDSON, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1921, M.D. 1924, McGill. [1938; 1955])
- EDGAR A. RILEY, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1944, Columbia. [1952; 1954])
- GUY F. ROBBINS, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1933, B.M. 1936, M.D. 1937, Northwestern. [1950; 1958])
- WILLIAM C. ROBBINS, *Clinical Assistant Professor of Medicine*. (A.B. 1942, Columbia; M.D. 1945, Cornell. [1948; 1953])
- JAY ROBERTS, *Assistant Professor of Pharmacology*. (B.S. 1949, Long Island University; Ph.D. 1953, Cornell. [1953; 1956])
- THOMAS N. ROBERTS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1946, South Dakota; M.D. 1948, Harvard. [1949; 1956])
- FRED V. ROCKWELL, *Clinical Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1931, M.D. 1936, Rochester. [1939; 1946])
- BERNARD ROGOFF, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, Hospital for Special Surgery. (B.S. 1932, New York University; M.D. 1936, University of Geneva. [1961])
- DAVID M. ROSEMAN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1947; M.D. 1951, Johns Hopkins. [1952; 1959])
- RICHARD A. RUSKIN, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1940, M.D. 1943, Duke. [1952; 1958])
- JOHN G. SCHMIDT, *Clinical Assistant Professor of Surgery (Orthopedics)*. Associate Attending Surgeon, New York Hospital. (A.B. 1925, Williams; M.D. 1930, Harvard. [1939; 1946])
- ROBERT I. SCHRIER, *Clinical Assistant Professor of Anesthesiology in Surgery*. Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1947, Indiana; M.B. 1952, M.D. 1953, Chicago Medical School. [1953; 1960])
- MELVIN S. SCHWARTZ, *Assistant Professor of Biometrics in Public Health*. (A.B. 1944, M.D. 1949, New York University. [1960])
- OLGA SCHWEIZER, *Assistant Professor of Anesthesiology in Surgery*. Attending Anesthesiologist, Memorial Hospital. (A.B. 1932, Barnard; M.D. 1937, Columbia. [1954])
- SAMUEL SEAL, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiation Therapist, Memorial Hospital. (B.S. 1939, M.D. 1942, University of Chicago. [1956; 1960])
- HENRY M. SELBY, *Clinical Assistant Professor of Radiology*. Assistant Attending Roentgenologist, Memorial Hospital. (B.S. 1940, M.D. 1943, Louisiana State. [1951; 1957])
- JOHN F. SEYBOLT, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. (B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1955])
- DONALD M. SHAFER, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon, New York Hospital. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1958])
- CHARLES SHEARD, *Clinical Assistant Professor of Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (M.D. 1939, University of Toronto; F.R.C.P. 1949, Royal College of Physicians (Canada). [1951; 1960])
- ALBERT C. SHERWIN, *Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1942, M.D. 1947, Columbia. [1950; 1956])

- MADOKA SHIBUYA, *Clinical Assistant Professor of Pediatrics*. (B.A. 1938, M.S. 1939, M.D. 1948, Stanford. [1952; 1960])
- HENRY R. SHINEFIELD, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1944, M.D. 1948, Columbia. [1959; 1960])
- PAUL A. SKUDDER, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. (B.A. 1949, Middlebury; M.D. 1953, Cornell. [1960])
- E. FLETCHER SMITH, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1924, M.D. 1928, Texas. [1934; 1954])
- MARTHA L. SMITH, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1937, Swarthmore; M.D. 1942, Buffalo; M.P.H. 1949, Johns Hopkins. [1945; 1958])
- CHARLES T. SNYDER, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1921, New York University. [1927; 1954])
- STUART S. SNYDER, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.Sc. 1941, York College; M.D. 1944, Nebraska. [1947; 1951])
- REUVEN K. SNYDERMAN, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, Memorial Hospital. (A.D. 1943, M.D. 1946, University of Pennsylvania. [1961])
- HERBERT S. SPOOR, *Clinical Assistant Professor of Medicine (Dermatology)*. (B.S. 1934, University of Washington; Ph.D. 1940, Ohio State; M.D. 1945, New York University. [1961])
- NORTON SPRITZ, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. Assistant Visiting Physician, Bellevue Hospital. (A.B. 1948, M.D. 1952, Johns Hopkins. [1956; 1960])
- WILLARD H. SQUIRES, *Clinical Assistant Professor of Medicine*. Attending Physician, Hospital for Special Surgery. (A.B. 1922, University of Utah; M.D. 1924, Bellevue Hospital Medical College. [1961])
- FRANK G. STANDAERT, *Assistant Professor of Pharmacology*. (A.B. 1951, Harvard; M.D. 1955, Cornell. [1956; 1960])
- EDWARD S. STANTON, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1926, University of Maine; M.D. 1935, Cornell. [1961])
- MAUS J. STEARNS, JR., *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1935, Union; M.D. 1939, Albany. [1950; 1955])
- HERMAN STEINBERG, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1941, Columbia; M.D. 1945, Albany. [1952; 1960])
- GERTRUDE S. STERN, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1945, Brooklyn College; M.D. 1949, Long Island College of Medicine. [1953; 1958])
- MAXWELL STILLERMAN, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1932, Long Island College of Medicine. [1948; 1956])
- PETER E. STOKES, *Assistant Professor of Medicine in Psychiatry; Clinical Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. (B.S. 1948, Trinity College; M.D. 1952, Cornell. [1953; 1960])
- RICHARD W. STONE, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1943, M.D. 1945, Wisconsin. [1958])
- WILLIAM D. STUBENBORD, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Consulting Physician, Westchester Division, New York Hospital. (B.S. 1927, Wesleyan; M.D. 1931, Cornell. [1933; 1953])
- JOSEPH D. SULLIVAN, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (B.S. 1935, Fordham; M.D. 1939, Cornell. [1946; 1959])
- MARGUERITE P. SYKES, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (M.D. 1948, New York University. [1955; 1957])
- BJORN THORBJARNARSON, *Assistant Professor of Surgery*. Associate Attending Surgeon, New York Hospital. (M.D. 1947, University of Iceland. [1954; 1958])
- JEAN TODD, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. (B.A., M.A. 1950, Cambridge; M.D., C.M. 1953, McGill. [1961])
- MARJORIE J. TOPKINS, *Clinical Assistant Professor of Anesthesiology in Obstetrics and Gynecology; Clinical Assistant Professor of Anesthesiology in Surgery*. Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1946, Cornell; M.D. 1950, Vermont. [1954; 1958])



- CORNELIUS H. TRAEGER, *Clinical Assistant Professor of Medicine*. Attending Physician, Hospital for Special Surgery. (A.B. 1923, M.D. 1927, Columbia. [1955])
- JEROME A. URBAN, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.A. 1934, M.D. 1938, Columbia. [1961])
- ALAN VAN POZNAK, *Clinical Assistant Professor of Anesthesiology in Surgery*. Assistant Attending Anesthesiologist, New York Hospital. (A.B. 1948, M.D. 1952, Cornell. [1961])
- WILLIAM H. WAINWRIGHT, *Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (M.D. 1949, University of Chicago. [1955; 1959])
- NATHANIEL WARNER, *Clinical Assistant Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1930, Harvard; M.A. 1934, M.D. 1940, Columbia. [1946; 1960])
- CHARLES A. WERNER, *Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1942, Chicago; M.D. 1945, Cornell. [1948; 1958])
- LOUIS E. WEYMULLER, *Clinical Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, Nebraska. [1936; 1949])
- STEPHEN WHITE, *Clinical Assistant Professor of Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1920, C.C.N.Y.; M.D. 1924, Cornell. [1931; 1944])
- STANLEY S. ZIPSER, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1932, Columbia; M.D. 1936, Long Island College of Medicine. [1946; 1956])

# **GENERAL STATEMENT**

## **HISTORY**

CORNELL UNIVERSITY Medical College was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the medical faculty and appointed six professors. The Medical College was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building, located at 28th Street and First Avenue, and who pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the Medical College admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities: the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order but also to study disease and the sciences underlying medicine with the purpose of adding to medical knowledge.

## **THE NEW YORK HOSPITAL—CORNELL MEDICAL CENTER**

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the Hospital and the Medical College had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and The Society of the New York Hospital, formalizing their affiliation for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the Hospital and of the Medical College, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by the appointed members. The position of Director of this organization, the New York Hospital—Cornell Medical Center, was approved in 1953.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments and includes approximately 1220 hospital beds. Provision is made for anesthesiology, medicine, surgery, obstetrics and gynecology, pediatrics, psychiatry, and radiology in seven distinct clinical units.

The faculty of the Medical College and the professional staff of the Hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

## FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical Center are in many respects unexcelled. The plant consists of twelve buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the Medical College.

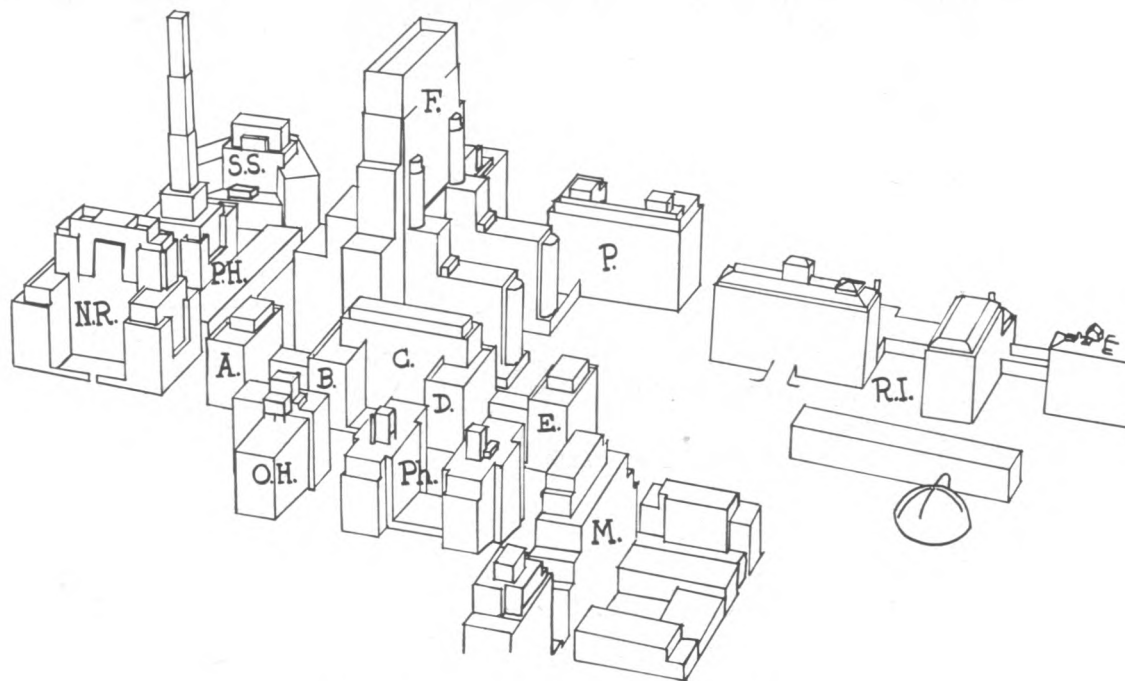
*CORNELL MEDICAL COLLEGE*... Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the Medical College is located. This group comprises four units facing on York Avenue, each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to microbiology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center, and in this are the offices of the Medical College, the library, and the department of pathology. This central building of the College is joined on all floors with the central hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north, but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located half a block west from the Medical College on 69th Street.

In the main buildings of the Medical College, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

*NEW YORK HOSPITAL*... Clinical instruction is given in the seven separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the woman's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River.



NEW YORK HOSPITAL — CORNELL MEDICAL CENTER  
From the West



*Key to the Photograph on the Opposite Page.*

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| A. Anatomy.                       | N.R. Nurses' Residence.              |
| B. Microbiology and Immunology.   | O.H. Olin Hall.                      |
| C. Administration and Pathology.  | P. Payne Whitney Psychiatric Clinic. |
| D. Physiology.                    | Ph. Phipps Houses.                   |
| E. Biochemistry and Pharmacology. | P.H. Power and Maintenance.          |
| F. New York Hospital.             | R.I. Rockefeller Institute.          |
| M. Memorial Hospital.             | S.S. Hospital for Special Surgery.   |



Each clinic contains, besides provision for bed patients, its own out-patient department, lecture rooms, and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed patients, three floors for its outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialties. The operating rooms are on the tenth and eleventh floors. Above are six floors containing 128 rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building and in the new House Staff Residence. The entire hospital has a capacity of approximately 1220 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the Medical College. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the College and Hospital, while other members of these departments devote part of their time to private practice.

### **OTHER HOSPITALS FOR CLINICAL INSTRUCTION**

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the Medical College, while in others the teaching privileges have been granted to the members of the staffs who are also members of the Medical College faculty.

*BELLEVUE HOSPITAL*... Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3,325 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of Cornell University Medical College for medical instruction. The services conducted by the College include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds. The staff of these services are nominated by the College from among the members of its faculty and teaching staff, and the Medical College is responsible for the professional conduct of these services.

*HOSPITAL FOR SPECIAL SURGERY*... The Hospital for Special Surgery occupies its new building adjacent to the New York Hospital and is an affiliated institution within the New York Hospital-Cornell Medical Center. Professionally, the Hospital for Special Surgery is, in effect, the orthopedic service of the New York Hospital.

*MEMORIAL HOSPITAL*... Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of

managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

*MANHATTAN STATE HOSPITAL (WARD'S ISLAND)* . . . This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the department of psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

### **THE LOOMIS LABORATORY**

Founded in 1886 and located at 414 East 26th Street, this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

### **THE LIBRARY**

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the Medical College. The current journals are kept in racks around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks. There are also a library seminar room and offices for the library staff.

The library contains about 70,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also selected collections of monographs and textbooks.

Several of the departments of the Medical College have libraries containing journals, monographs, and textbooks pertaining especially to the subject matter of the departments. These collections, inter-library loans and photo-duplicate copies from other libraries, including the National Library of Medicine, supplement the medical library.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

### **THE RUSSELL SAGE INSTITUTE OF PATHOLOGY**

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The medical director of the Institute is Dr. David P. Barr, Emeritus Professor of Medicine.

# REQUIREMENTS FOR ADMISSION AND GRADUATION

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. The college degree as a prerequisite for acceptance has been adopted by faculty and trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College:

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. A student from an institution other than Cornell University seeking admission under this clause must have a statement from the dean of his college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.

3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education." In conformity with these regulations, Cornell University Medical College requires for admission the satisfactory completion of at least 6 semester hours in each of the following subjects: English, physics, biology or zoology, general chemistry, and organic chemistry.

Although the requirements outlined above form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points, which probably represent sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, choosing too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the pre-



medical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

Each year the Admissions Committee selects an entering class of approximately 84 students from a group of more than 1000 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricula work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability, sound character, healthy personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extracurricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of the state in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as fulfilling adequately the admission requirements.

## APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York 21, N.Y. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For a class

entering in September of a certain year, the application forms may be obtained on request, beginning September 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after December 15. A charge of \$10 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class role.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great; therefore the invitations for interview are decided by the Admissions Committee.

A student who has previously attended another medical school and has been dropped for poor scholarship or unsatisfactory conduct is not an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

## ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here, since Cornell does not have a department of dentistry and makes no provision for including any teaching in this subject in the medical curriculum.

## ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances an academic year at a time. It is necessary that he complete all the subjects of a given academic year before taking up the next group of subjects. To be promoted to any of the advanced years (second, third, or fourth), he must be approved for advancement by the faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year examinations are given in all subjects except those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account, and due weight is assigned to the effort he puts into his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation; then they are reviewed and formally acted on by the faculty. The faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." The rating confers eligibility for re-admission into the Medical College in the next higher class, unless by reason of conduct the faculty considers the student unsuited for the medical profession.
2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.
3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be re-examined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on re-examinations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the faculty to repeat courses in which their work is deficient.
4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the faculty, and any students with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well-established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be

mailed on his request to accredited hospitals and to educational or other well recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

## **REQUIREMENTS FOR GRADUATION**

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

## **EXAMINATIONS FOR MEDICAL LICENSURE**

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused with a federal government agency. For information write to the National Board of Medical Examiners, 133 South 36th Street, Philadelphia 4, Pa.

# GENERAL INFORMATION

## FEES AND EXPENSES

ALL FEES for instruction and other charges are paid at the Business Office of the Medical College, Room A-131, 1300 York Avenue, New York 21, N.Y.

*Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room D-115, immediately after registering.*

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

### APPLICATION FEE

A charge made for reviewing an application . . . . . \$10.00

### ACCEPTANCE DEPOSIT . . . . . \$50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

Beginning July 1, 1961, the following tuition and fee rates were effective:

TUITION FEE (for academic year) . . . . . \$1,300.00

COMPREHENSIVE FEE (for academic year) . . . . . \$ 200.00

The charges are payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students, the first installment will be due at or before September registration. No refund or rebate will be made in any instance.

Included in the comprehensive fee are the following:

#### Matriculation Fee

#### Student Hospitalization Insurance (for calendar year)

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of married students at additional cost. This insurance plan covers all hospital costs for a limited period of time for any student in good standing who is hospitalized in the New York Hospital. It assures the usual Blue Cross plan coverage for hospitalization in other hospitals.

#### Student Health Service

Described below.

Graduation Fee and rental fee for cap and gown for graduation exercises.

## BOOKS, INSTRUMENTS, AND MICROSCOPES

The average cost of books and instruments is approximately \$135 a year, distributed as follows: first year, \$150; second year, \$215; third year, \$125; fourth year, \$50.



Each student is required to provide himself with a microscope of an approved type. Arrangements can be made to purchase one from the College Book Store after arrival if the student desires. A limited number of monocular microscopes are available for rental at \$30 a year. Anyone wishing to rent one of these microscopes should write to the Admissions Office to make a reservation as early as possible.

## RESIDENCE HALLS

*F. W. OLIN HALL*, student residence, was completed for occupancy in September, 1954. This building was made possible by a generous gift from the Olin Foundation. The residence is located at 445 East 69th Street, directly across York Avenue from the Medical College entrance. It contains a gymnasium, snack bar, lounge rooms, and 278 residence rooms. The Alumni Memorial Room contains the George T. Delacorte, Jr., Book Collection as well as the War Memorial to Cornell graduates who gave their lives in the wars. Each residence room is furnished as a single bedroom-study, but, since each two rooms have a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. Rental for students is: for an academic year, \$320; for a full year (12 months), \$375; for periods less than one year, \$45 a month. One floor is reserved for women students, and nonhousekeeping facilities for married students are available. Several cafeterias are available in the main college and hospital buildings.

*LIVINGSTON FARRAND APARTMENTS FOR MARRIED STUDENTS*, a newly remodeled elevator building at 427 East 69th Street, next to Olin Hall, was opened in 1957. It provides nineteen 1½-room apartments and nineteen 3-room apartments; all apartments are furnished. Rentals for 1½ rooms are \$75 to \$85 per month and for the 3-room apartments, \$115 to \$125 per month.

Two adjacent buildings were remodeled in 1960 for married students. The building at 425 East 69th Street provides twenty two-room apartments, with rentals ranging from \$70 to \$77 per month; all are furnished. The building at 423 East 69th Street provides a total of sixteen two-, three-, and four-room apartments; all are furnished. Rentals range from \$70 to \$77.50 per month for two-room apartments; from \$110 to \$120 per month for three-room apartments; and from \$130 to \$137.50 for four-room apartments.

## STUDENT HEALTH SERVICE

Complete ambulatory medical care is provided for all students matriculated in the Medical College and in the Graduate School of Medical Sciences through the Personnel Health Service of the Medical Center. All members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Health Service staff. In addition each student must report for a chest X-ray examination, tuberculin test, and such immunizations as may be considered necessary at periodic intervals. No charge is made for medical care through the Health Service or for any X-rays, laboratory tests, or procedures which may be needed. Each student is required to carry Associated Hospital Service (Blue Cross) hospitalization



insurance unless some similar hospitalization insurance is currently in effect through a previous policy. The cost of this insurance for each student is included in the comprehensive fee. Wives and families may be included by the payment of an additional fee. Office hours are held daily from 12:30 to 1:30 p.m. by the student health staff. All cases of illness must be reported to the Health Service. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the College Health Service is expected. Wives and families of students are not eligible for care through the Personnel Health Service but will be referred to appropriate members of the hospital staff for medical care.

## PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this College who was graduated from Cornell University Medical College June 7, 1899, and died on March 29, 1904, prizes will be presented at each Commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible.

2. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* This prize is made available from the Arthur Palmer Fund provided by the members of the staff of otolaryngology in honor of Dr. Palmer. The prize will be given to the student of the graduating class who makes the best record in this specialty.

3. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligmann, in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

4. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the department of medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each Commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

5. *THE MARY ALDRICH FUND.* In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation, the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the

Administration Office not later than three weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the faculty from laboratory departments and two from clinical departments.

For 1960 the William Mecklenburg Polk Prize awards for research were:

First prize: Stephen E. Epstein and C. Anderson Hedberg.

Second prize: James Walter Ryan.

6. *THE WILLIAM C. THRO MEMORIAL FUND*. Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. The prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

7. *THE HERMAN L. JACOBIOUS PRIZE IN PATHOLOGY*. Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son, who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

8. *THE BORDEN UNDERGRADUATE RESEARCH AWARD*. The terms of this grant by the Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to another year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in quadruplicate and must be in the Administration Office not later than three weeks before the end of the term.

The Borden Prize for Research for the year 1960 was awarded to Carl G. Becker.

9. *THE GOOD PHYSICIAN AWARD*. A silver desk tray, suitably inscribed, given by Dr. Philip Stimson, will be awarded at Commencement to that member of the graduating class who, by vote of the class, best exemplifies the intangible qualities of "*The Good Physician*."

10. *CHARLES L. HORN PRIZE FUND*. The income from this fund will be awarded each year to the member of the graduating class who has demonstrated



the most improvement in scholarship in the course of four years of study in the Medical College.

11. *THE SAMUEL HOLLANDER PRIZE*. The income from a fund established by bequest of Dr. Samuel Hollander is to be awarded to a worthy medical student as a prize for scholarship by the Committee on Scholarships.

## SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP*. A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND*. This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the Medical College.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the Medical College.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP*. The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. *THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND*. A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND*. A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a re-award. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP*. Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping



students with their individual problems and promoting their professional careers. The fund amounts to \$5,000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third or fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP.* A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, professor of anatomy in the Cornell University Medical College, 1911-1939. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS.* Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND.* Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. The income from this endowment amounts to about \$100 yearly.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND.* Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the faculty, merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP* was established by a bequest from Dr. L'Esperance to provide financial assistance for women students at Cornell University Medical College.

12. *THE SAGAN FOUNDATION SCHOLARSHIP.* An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND.* This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students in the Medical College,

with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *THE WALLACE D. GARRABRANDT SCHOLARSHIP*. Established by Mabel G. Gormley. This scholarship, amounting to approximately \$200, is to be awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship who is in need of financial assistance.

15. *LEONA E. TODD SCHOLARSHIP*. Under the terms of the will of Alzina T. Elliott, a scholarship has been established for women students in the Medical College. The income from the gift is approximately \$800 per year.

16. *FUND FOR TRAINING IN PSYCHIATRY*. A grateful patient, recognizing the value of psychiatric therapy in helping people achieve life more abundantly, has established this fund to provide financial assistance to students preparing for a career in psychiatry. Students who seriously intend to enter the field of psychiatry, and who are judged qualified by the faculty, are eligible for financial aid after the second year of the medical course. Financial assistance may also be given in support of graduate or postgraduate training in the Payne Whitney Psychiatric Clinic.

17. *DR. E. COOPER PERSON MEMORIAL SCHOLARSHIP FUND*. Friends of the late Dr. Person established this scholarship fund in his memory. Scholarship aid for deserving students is provided from the income.

18. *LILLIAN M. CHARLES SCHOLARSHIP FUND*. This fund was established by a generous gift from Mrs. Howard W. Charles. The income will provide scholarship assistance for needy students who are in good academic standing.

19. *VIVIAN B. ALLEN SCHOLARSHIP*. Through the generosity of the Vivian B. Allen Foundation, Inc., this endowment has been established to aid needy male students of good scholastic standing who otherwise would not be able to complete their medical education.

20. *MARY LOUISE WUESTER SCHOLARSHIP*. Established in memory of his mother by Dr. William O. Wuester. The income of this fund is awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship in need of financial aid.

21. *ROBERT E. SPENO SCHOLARSHIP*. Established in 1952 by gift from Frank Speno in memory of his son, Robert E. Speno. A room in F. W. Olin Hall is named the Robert E. Speno Room, and income from the endowment provides a room-rent scholarship.

22. *ELIZABETH AND NEILL HOUSTON SCHOLARSHIP*. Established in 1952 by a gift from Elizabeth and Neill Houston. A room in F. W. Olin Hall is designated the Elizabeth and Neill Houston Room, and income from the endowment provides a room-rent scholarship.

23. *DR. HARRY ENO SCHOLARSHIP ENDOWMENT*. Established in 1955 by gift of Dr. Harry Eno, the income to provide scholarships for needy and worthy students in the Medical College.

24. *TUITION AID FOR ENTERING STUDENTS.* A limited amount of scholarship assistance is available for entering students. The need for scholarship assistance should be discussed at the admissions interview, and inquiries about this aid should be directed to the Admissions Committee chairman.

25. *THE JOSEPH P. FERRIGAN FUND.* The income from this fund is to be used to benefit a worthy and meritorious student in need of financial assistance.

26. *THE THOMAS RENNIE SCHOLARSHIP FUND.* Friends of the late Dr. Rennie, Professor of Social Psychiatry, have set up a fund, the income from which is available to students interested in carrying out research work in social psychiatry.

27. *THE DR. GEORGE A. AND NORA W. NEWTON SCHOLARSHIP.* The Newton Scholarship Fund provides a full or partial scholarship for a needy and worthy student of the Medical College. The recipient is to be selected by the Faculty Committee on Scholarships on the basis of high scholarship and character.

28. *THE COPPERMINES FOUNDATION SCHOLARSHIP.* Endowed by a generous gift from the Coppermines Foundation, Inc., to provide financial assistance for needy and worthy students.

29. *THE MARY E. C. CANTLE SCHOLARSHIP FUND.* This fund was established by a bequest from Mary E. C. Cantle. The income will provide scholarships for worthy students in the Medical College.

30. *MR. AND MRS. BENJAMIN J. LEVY SCHOLARSHIP.* This fund was established by Mr. and Mrs. Benjamin J. Levy to provide financial assistance for worthy and needy medical students.

31. *AVALON FOUNDATION SCHOLARSHIP FUND.* This fund was established by a grant from the Avalon Foundation. It is available for students in good academic standing who are in need of financial assistance.

32. *THE MARY PUTNAM JACOBI—ANNA FOREST ROWE SCHOLARSHIP.* A bequest from William Vincent Rowe endowed this fund. The income will provide scholarship assistance preferably for women medical students.

## BURSARY FOR WOMEN STUDENTS

*THE MARIE AND JOHN ZIMMERMAN FUND.* A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Associate Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

## LOAN FUNDS

1. *THE 1923 LOAN FUND.* The income from this fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS.* The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND.* A revolving fund contributed through different sources including the Kellogg Foundation, the Charles Hayden Foundation, and the Student Book Store is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

4. *JOSEPH C. HINSEY LOAN FUND.* Established through the generosity of the Olin Foundation, and supplemented by a generous gift from an anonymous donor, this revolving fund is used to advance funds on a loan basis to students in need of financial assistance.

## ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College honor society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four year curriculum, by unanimous vote of the active members acting on recommendations made by faculty advisers. Not more than one-sixth of any class may be elected. As aspects of and indispensable to true scholarship are included open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell chapter of A.O.A. was organized May 2, 1910. A large number of the faculty are members. The chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

Members elected from the graduating class of 1961 were: Carl G. Becker, Theodore V. Boroian, Richard D. Chapman, Joel L. Colker, Stephen E. Epstein, Donald A. Fischman, J. Gordon Frierson, C. Anderson Hedberg, James R. Hurley, John J. Kuiper, Charles A. Rodman II, Richard G. Sheehan, and Philip H. Zweifach.

## SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter.

## CORNELL UNIVERSITY MEDICAL COLLEGE ALUMNI ASSOCIATION, INC.

### OFFICERS

David D. Thompson '46	<i>President</i>
George R. Holswade D'43	<i>Vice President</i>
Richard R. McCormack '41	<i>Treasurer</i>
Frederic T. Kirkham '47	<i>Secretary</i>
William A. Barnes '37	<i>Chairman, Alumni Fund</i>
Bernice E. Sheldon	<i>Executive Secretary</i>

### DIRECTORS

*Three Year Term:* Carleton M. Cornell '37; Roy C. Swan '47  
*Two Year Term:* Edward J. Hehre '37; John P. West '32;  
 Robert L. Cavanaugh '34; Ward D.  
 O'Sullivan '42  
*One Year Term:* Thomas P. Almy '39; Walter F. Riker '43

### BULLETIN

William J. Eisenmenger '41	<i>Editor</i>
George Schaefer '37	<i>Associate Editor</i>
Richard T. Silver '58	<i>Associate Editor</i>
Milton L. Zisowitz	<i>Consultant</i>

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$10 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.



## EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, microbiology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, and psychobiology.

In the second year the student takes up work in microbiology, parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, and public health.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets daily for clinical lectures and demonstrations.

## **ELECTIVE TIME**

In addition to scheduled free time in the curriculum for the first three years, elective time is available in the second and fourth years. In the second year, five half-days in the third trimester have no scheduled classes and may be used to pursue elective courses of special interest to the student, or for individual research.

A five-month period of experience in investigative work is available for the student who wishes to continue during the summer a research project begun in the second year elective time.

## **SUMMER FELLOWSHIPS**

Several fellowships paying a stipend of \$600 are available for selected students who wish to participate in investigative work during the summers following the first and second years.

## **ONE YEAR RESEARCH FELLOWSHIPS**

Any student seriously interested in investigative work in the basic or clinical medical sciences may apply for a year's leave of absence to pursue research in the field of his choice. Such research opportunities are available in all departments of the Medical College, and a leave will be considered for investigative work in other institutions. A number of fellowships are available to support such work. In general, it is most convenient to take the leave between the second and third years, but it may be considered at other times in the medical course.

## **COURSE IN MEDICAL WRITING**

*LECTURER:* Milton L. Zisowitz

A series of lectures on medical writing is given one or more times each year. The course is open to faculty, students, and other interested members of the Center. Students are urged to take advantage of this unique opportunity for expert instruction in science writing by attending one of the series of lectures.

Mr. Zisowitz is also available, by appointment, to give editorial advice on the preparation of medical papers.

*The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.*

# DESCRIPTION OF COURSES

## ANATOMY

ROY C. SWAN, Professor of Anatomy

JOSEPH C. HINSEY, Professor of Neuroanatomy

GEORGE B. CHAPMAN, Associate Professor of Anatomy

JOHN MACLEOD, Associate Professor of Anatomy

LEONARD L. ROSS, Associate Professor of Anatomy

DANA C. BROOKS, Assistant Professor of Anatomy

JOHN T. FINKENSTADT, Assistant Professor of Anatomy

WILLIAM A. GEOHEGAN, Clinical Assistant Professor of Anatomy

WILBUR D. HAGAMEN, Assistant Professor of Anatomy

ERNEST W. LAMPE, Clinical Assistant Professor of Anatomy

### *Instructors:*

Sukhdev R. Bawa

Naomi Fitch

Thomas H. Meikle

Benjamin D. Stinson

### *Clinical Instructors:*

Thane Asch

Bettison E. Shapiro

### *Research Fellows:*

Hans J. Ebner

Donald A. Fischman

### *Assistant:*

Alexander G. Reeves

The study of human structure as a basis for the study and practice of medicine begins in the first term of the first year with the courses in gross and microscopic anatomy. The study of gross anatomy is largely by regions; that of microscopic anatomy, more systematic. The correlation by the student of understanding of structure gained in the two courses is encouraged by participation of certain staff members in each of these courses. Developmental anatomy and genetics are introduced in a series of lectures in the first term. In the second term, laboratory dissection and examination of microscopic sections of the embryo and placenta begin in the laboratory. To the extent possible, the presentation of developmental anatomy coincides with the dissection of the cadaver, and the development basis for structural relations is emphasized in the courses in gross and microscopic anatomy. The study of the structure of the brain and spinal cord is coordinated with a study of the function of the central nervous system through the cooperation of the staffs of the Departments of Anatomy and Physiology. The application of anatomical knowledge in diagnosis and treatment in medicine is demonstrated through clinical conferences and case presentations.

**MICROSCOPIC ANATOMY** . . . Selected concepts of fine structure as developed through light and electron microscopy, histochemistry, ultracentrifugation, x-ray diffraction analysis, tissue culture and autoradiography are presented in lecture to indicate a pattern of study and depth of analysis which the student can be

expected to apply to his informal study of cells and tissues not formally presented in lectures. A more comprehensive and systematic study of fine structure is made in the laboratory through a study of a loan collection of histological sections, electron micrographs, and through microscopic study of surviving tissues and cells. Modern research techniques in microscopy, microtomy, histochemistry, tissue culture and autoradiography are demonstrated. The functional and biochemical significance of fine structure is emphasized. Laboratory and lectures, 176 hours.

*GROSS ANATOMY* . . . Regional anatomy is studied principally through a thorough dissection of the human body. Lectures present selectively the more difficult regions and systems. Demonstration dissections and films supplement. Structural relations are also presented and discussed roentgenographically with emphasis on development, individual variation, and developmental abnormalities. Laboratory and lectures, 257 hours.

*NEUROANATOMY* . . . The gross and microscopic structure of the brain and spinal cord is taught in the laboratory by study of serial sections through the entire brain stem in three different planes. Three-dimensional visualization is facilitated by gross dissection of human and other mammalian brains and use of models. Special emphasis is placed on functional, experimental, and clinical aspects of neuroanatomy, presented in a manual but supplemented by lectures and demonstrations. Elective opportunity is offered for animal experimentation. Laboratory and demonstrations, 84 hours.

*DEVELOPMENTAL ANATOMY AND GENETICS* . . . Lectures and laboratory are designed to help the student visualize basic embryological relationships and to introduce him to fundamental concepts and problems of human heredity. Lectures in embryology stress those areas of early development, fetal-maternal relations, and organogenesis which clarify aspects of adult function and structure, or which aid in the understanding of clinically important congenital defects. In the laboratory, the least easily visualized aspects of placentation and organogenesis are studied in both gross and serially sectioned material. Lectures in genetics stress the application of basic Mendelian principles to problems of hereditary anomalies and disease, radiation biology and mutation, sex determination, and population dynamics. Lecture and laboratory, 55 hours, first and second terms.

*ELECTIVE COURSES* . . . (I) *Anatomy of the Newborn*. Lectures and laboratory dissections and demonstrations of fetal and newborn anatomy with special emphasis on developmental anatomy, both normal and abnormal. Drs. Fitch, Ross, and Stinson. (II) *Clinical Anatomy*. Review dissection of the human body with emphasis on applications in clinical medicine. For second year students, third term. Drs. Lampe and Swan. (III) *Review dissection* of the human body for fourth year students during elective period.

*GROSS ANATOMY FOR GRADUATES* . . . A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

*COURSE IN SURGICAL ANATOMY* . . . Dr. Ernest W. Lampe. An extensive review of surgical anatomy with demonstrations and dissections specially designed

for candidates for the American Board of Surgery. The fee, \$200 for a term of four weeks, includes matriculation, registration charges, and tuition. Limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

**ADVANCED STUDY AND RESEARCH . . .** Opportunities for first and second year students to devote summer vacations and elective time to supervised study and investigation may be arranged individually with members of the staff. Pre-doctoral fellowships are available to students considering careers in preclinical science and wishing to interrupt their medical studies at the end of their second or third year to devote a full year to research in fine structure, experimental cytology, neuroanatomy, embryology, or genetics.

## BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry

ROY W. BONSNES, Associate Professor of Biochemistry

JULIAN R. RACHELE, Associate Professor of Biochemistry

WILLIAM D. CASH, Assistant Professor of Biochemistry

HELENA GILDER, Assistant Professor of Biochemistry

S. STEVEN HOTTA, Assistant Professor of Biochemistry

### *Instructors:*

George S. Denning, Jr.

Julius Golubow

Edward T. Schubert

### *Research Associates:*

Janardan P. Aroskar

Esther M. Breslow

Wah-Yip Chan

Derek Jarvis

Richard Vierling

Donald Yamashiro

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

**FIRST AND SECOND TERM . . .** Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the



fundamental properties of electrolytes and colloids. 33 hours, first term. 33 hours, second term.

*THIRD TERM* . . . Laboratory course with lectures and conferences extending the work of the first two terms. 154 hours, third term.

## ELECTIVES

*ADVANCED LABORATORY WORK OR RESEARCH* . . . By special arrangement.

## COURSES OPEN TO SPECIAL STUDENTS

*BIOCHEMISTRY* . . . Fee, \$25 a term.

*BIOCHEMICAL LITERATURE* . . . Seminar on the current literature in biochemistry, mainly for graduate students but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du Vigneaud, Melville, and Rachele.

*BIOCHEMICAL PREPARATIONS* . . . Laboratory dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The staff.

*RESEARCH IN BIOCHEMISTRY* . . . By arrangement with the head of the department.

## MEDICINE

E. HUGH LUCKEY, Professor of Medicine (*Chairman*)  
 THOMAS P. ALMY, Professor of Medicine  
 JOSEPH H. BURCHENAL, Professor of Medicine  
 ANTHONY C. CIPOLLARO, Clinical Professor of Medicine (Dermatology)  
 JOHN E. DEITRICK, Professor of Medicine  
 HENRY S. DUNNING, Clinical Professor of Medicine (Neurology)  
 CLAUDE E. FORKNER, Clinical Professor of Medicine  
 RICHARD H. FREYBERG, Clinical Professor of Medicine  
 FRANK L. HORSFALL, Jr., Professor of Medicine  
 MILTON L. KRAMER, Clinical Professor of Medicine  
 GEORGE M. LEWIS, Clinical Professor of Medicine (Dermatology)  
 ADE T. MILHORAT, Clinical Professor of Medicine  
 CARL MUSCHENHEIM, Clinical Professor of Medicine  
 RULON W. RAWSON, Professor of Medicine  
 GEORGE G. READER, Professor of Medicine  
 J. JAMES SMITH, Clinical Professor of Medicine  
 EDWARD TOLSTOI, Clinical Professor of Medicine  
 ROBERT F. WATSON, Clinical Professor of Medicine  
 HAROLD G. WOLFF, Ann Parrish Titzell Professor of Medicine (Neurology)  
 IRVING S. WRIGHT, Clinical Professor of Medicine

DAVID V. BECKER, Associate Professor of Medicine  
 KATHARINE BUTLER, Clinical Associate Professor of Medicine  
 EUGENE F. COHEN, Clinical Associate Professor of Medicine  
 FRANK E. CORMIA, Clinical Associate Professor of Medicine (Dermatology)  
 HENRY D. DIAMOND, Clinical Associate Professor of Medicine  
 MURRAY DWORETZKY, Clinical Associate Professor of Medicine  
 RALPH L. ENGLE, JR., Associate Professor of Medicine

AARON FEDER, Clinical Associate Professor of Medicine  
 WILLIAM T. FOLEY, Clinical Associate Professor of Medicine  
 SIDNEY M. GREENBERG, Clinical Associate Professor of Medicine  
 LEON HELLMAN, Associate Professor of Medicine  
 LAWRENCE E. HINKLE, JR., Clinical Associate Professor of Medicine  
 ELLIOT HOCHSTEIN, Clinical Associate Professor of Medicine  
 EDWARD W. HOOK, JR., Associate Professor of Medicine  
 MELVIN HORWITH, Clinical Associate Professor of Medicine  
 WILLIAM H. KAMMERER, Clinical Associate Professor of Medicine  
 DAVID A. KARNOFSKY, Associate Professor of Medicine  
 GEORGE L. KAUER, Clinical Associate Professor of Medicine  
 B. H. KEAN, Clinical Associate Professor of Medicine (Tropical Medicine)  
 JOHN S. LADUE, Clinical Associate Professor of Medicine  
 ALLYN B. LEY, Clinical Associate Professor of Medicine  
 ROBERT M. LINTZ, Clinical Associate Professor of Medicine  
 MARY H. LOVELESS, Clinical Associate Professor of Medicine  
 DANIEL S. LUKAS, Associate Professor of Medicine  
 KIRBY A. MARTIN, Clinical Associate Professor of Medicine  
 FLETCHER H. McDOWELL, Associate Professor of Medicine (Neurology)  
 W. P. LAIRD MYERS, Associate Professor of Medicine  
 THEODORE W. OPPEL, Clinical Associate Professor of Medicine  
 MARY ANN PAYNE, Clinical Associate Professor of Medicine  
 RALPH E. PETERSON, Associate Professor of Medicine  
 SIDNEY ROTHBARD, Associate Professor of Medicine  
 ALBERT L. RUBIN, Associate Professor of Medicine \*  
 DONALD J. SIMONS, Clinical Associate Professor of Medicine  
 MARVIN H. SLEISINGER, Clinical Associate Professor of Medicine  
 MARTIN SONENBERG, Associate Professor of Medicine  
 CHESTER M. SOUTHAM, Clinical Associate Professor of Medicine  
 ISRAEL STEINBERG, Clinical Associate Professor of Medicine  
 DAVID D. THOMPSON, Associate Professor of Medicine  
 ALPHONSE E. TIMPANELLI, Clinical Associate Professor of Medicine  
 DOUGLAS P. TORRE, Clinical Associate Professor of Medicine (Dermatology)  
 PARKER VANAMEE, Associate Professor of Medicine  
 BRUCE P. WEBSTER, Clinical Associate Professor of Medicine  
 BYARD WILLIAMS, Clinical Associate Professor of Medicine  
 FELIX WROBLEWSKI, Clinical Associate Professor of Medicine

KENNETH C. ARCHIBALD, Assistant Professor of Medicine (Physical Medicine)  
 SAM C. ATKINSON, Clinical Assistant Professor of Medicine (Dermatology)  
 JEREMIAH A. BARONDESS, Clinical Assistant Professor of Medicine  
 CURTIS H. BAYLOR, Clinical Assistant Professor of Medicine  
 E. LOVELL BECKER, Assistant Professor of Medicine  
 RICHARD S. BENUA, Assistant Professor of Medicine  
 BEATRICE B. BERLE, Clinical Assistant Professor of Medicine  
 CARL A. BERNTSEN, JR., Clinical Assistant Professor of Medicine  
 KEEVE BRODMAN, Clinical Assistant Professor of Medicine  
 HENRY A. CARR, Clinical Assistant Professor of Medicine  
 LORING F. CHAPMAN, Assistant Professor of Psychology in Medicine (Neurology)  
 AARON D. CHAVES, Clinical Assistant Professor of Medicine  
 WILLIAM N. CHRISTENSON, Assistant Professor of Medicine  
 HARVEY S. COLLINS, Assistant Professor of Medicine  
 PETER G. DENKER, Clinical Assistant Professor of Medicine (Neurology)  
 JOHN W. DOUGHERTY, Clinical Assistant Professor of Medicine (Dermatology)  
 WILLIAM J. EISENMENGER, Clinical Assistant Professor of Medicine  
 ROSE RUTH ELLISON, Assistant Professor of Medicine  
 ALBERT J. ERDMANN, JR., Clinical Assistant Professor of Medicine  
 GEORGE C. ESCHER, Clinical Assistant Professor of Medicine  
 JOHN T. FARRAR, Clinical Assistant Professor of Medicine

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\* On leave of absence.

JOHN A. FINKBEINER, Clinical Assistant Professor of Medicine  
 ALVIN H. FREIMAN, Clinical Assistant Professor of Medicine  
 CONSTANCE FRIESS, Clinical Assistant Professor of Medicine  
 GEORGE W. FRIMPTER, Assistant Professor of Medicine  
 HORACE T. GARDNER, Clinical Assistant Professor of Medicine  
 WILLIAM GELLER, Clinical Assistant Professor of Medicine  
 ELSIE A. GIORGI, Clinical Assistant Professor of Medicine \*  
 ROBERT B. GOLBEY, Clinical Assistant Professor of Medicine  
 CHARLES H. GOODRICH, Assistant Professor of Medicine  
 SIGMUND N. GROCH, Clinical Assistant Professor of Medicine  
 THOMAS C. GUTHRIE, Clinical Assistant Professor of Medicine (Neurology)  
 SUSAN J. HADLEY, Clinical Assistant Professor of Medicine  
 RALPH HEIMER, Assistant Professor of Biochemistry in Medicine  
 MILTON HELPERN, Clinical Assistant Professor of Medicine  
 EUGENE L. HORGER, Clinical Assistant Professor of Medicine  
 RAYMOND W. HOUDE, Assistant Professor of Medicine  
 ABRAHAM S. JACOBSON, Clinical Assistant Professor of Medicine  
 GRAHAM H. JEFFRIES, Assistant Professor of Medicine  
 LEMOYNE C. KELLY, Clinical Assistant Professor of Medicine  
 THOMAS KILLIP III, Assistant Professor of Medicine  
 FREDERIC T. KIRKHAM, Jr., Clinical Assistant Professor of Medicine  
 HENRY B. KIRKLAND, Clinical Assistant Professor of Medicine  
 GERALD H. KLINGON, Clinical Assistant Professor of Medicine  
 SAMUEL S. KOIDE, Assistant Professor of Medicine  
 HERBERT KOTEEN, Clinical Assistant Professor of Medicine  
 O. DHODANAND KOWLESSAR, Assistant Professor of Medicine  
 IRWIN H. KRAKOFF, Assistant Professor of Medicine  
 HENN KUTT, Assistant Professor of Medicine  
 MICHAEL LAKE, Clinical Assistant Professor of Medicine  
 RICHARD E. LEE, Clinical Assistant Professor of Medicine  
 SOL S. LICHTMAN, Clinical Assistant Professor of Medicine  
 JERROLD S. LIEBERMAN, Clinical Assistant Professor of Medicine  
 MACK LIPKIN, Clinical Assistant Professor of Medicine  
 MARTIN LIPKIN, Assistant Professor of Medicine  
 DONALD B. LOURIA, Assistant Professor of Medicine  
 MELVILLE G. MAGIDA, Clinical Assistant Professor of Medicine  
 KLAUS MAYER, Assistant Professor of Medicine  
 ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine  
 A. PARKS McCOMBS, Clinical Assistant Professor of Medicine  
 RICHARD R. McCORMACK, Clinical Assistant Professor of Medicine  
 ELLEN McDEVITT, Assistant Professor of Medicine \*  
 ROBERT H. MELCHIONNA, Clinical Assistant Professor of Medicine  
 DANIEL G. MILLER, Assistant Professor of Medicine  
 IRWIN NYDICK, Clinical Assistant Professor of Medicine  
 NORMAN PLUMMER, Clinical Assistant Professor of Medicine  
 J. WILLIAM POPPELL, Assistant Professor of Medicine  
 R. A. REES PRITCHETT, Clinical Assistant Professor of Medicine  
 JAMES W. RALEIGH, Clinical Assistant Professor of Medicine  
 EDGAR A. RILEY, Clinical Assistant Professor of Medicine  
 WILLIAM C. ROBBINS, Clinical Assistant Professor of Medicine  
 THOMAS N. ROBERTS, Clinical Assistant Professor of Medicine  
 BERNARD ROGOFF, Clinical Assistant Professor of Medicine  
 DAVID M. ROSEMAN, Clinical Assistant Professor of Medicine  
 RICHARD H. SAUNDERS, Assistant Professor of Medicine  
 CHARLES SHEARD, Clinical Assistant Professor of Medicine (Dermatology)  
 HERBERT J. SPOOR, Clinical Assistant Professor of Medicine (Dermatology)  
 NORTON SPRITZ, Assistant Professor of Medicine \*  
 WILLARD H. SQUIRES, Clinical Assistant Professor of Medicine  
 HERMAN STEINBERG, Clinical Assistant Professor of Medicine

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\* On leave of absence.

PETER E. STOKES, Clinical Assistant Professor of Medicine  
 RICHARD W. STONE, Clinical Assistant Professor of Medicine  
 WILLIAM D. STUBENBORD, Clinical Assistant Professor of Medicine  
 MARGUERITE P. SYKES, Assistant Professor of Medicine  
 CORNELIUS H. TRAEGER, Clinical Assistant Professor of Medicine  
 CHARLES A. WERNER, Clinical Assistant Professor of Medicine

*Instructors:*

Norman Brachfeld  
 J. Robert Buchanan  
 Susan T. Carver  
 Bayard D. Clarkson  
 Burton D. Cohen  
 Roger M. Des Prez  
 Eugene D. Furth

Joseph Fraumeni, Jr.  
 Richard A. Herrmann  
 Herbert I. Horowitz  
 Anna Kara  
 Donald Kaye  
 Costas T. Lambrew  
 Glenn D. Lubash

John G. Merselis, Jr.  
 Gabrielle Reem  
 Laurie E. Rennie  
 Lawrence Scherr  
 Paul Sherlock  
 James C. Strickler  
 Barnett Zumoff

*Clinical Instructors:*

Seymour Advocate  
 Anthony A. Antoville  
 Lucien I. Arditi  
 George C. Armistead, Jr.  
 Olav Austlid  
 Charles A. Bailey  
 Lloyd T. Barnes  
 Barbara Bates  
 Bry Benjamin  
 Ruth P. Berkeley  
 Aaron W. Bortin  
 Warren S. Braveman  
 Samuel H. Brethwaite, Jr.  
 John Lyman Brown  
 Veronica C. Brown  
 Bernerd H. Burbank  
 Edward A. Burkhardt, Jr.  
 Donald J. Cameron  
 Foo Chu  
 Hugh E. Claremont  
 Josue Corcos  
 Denton S. Cox  
 Jean A. Cramer  
 Richard A. P. Cupiauoli  
 Jeff Davis  
 Marion Davis  
 Monroe T. Diamond  
 Carolyn H. Diehl  
 Robert E. Eckardt  
 George E. Ehrlich  
 Vernon Erk  
 Henry R. Erle  
 Ernest R. Esakof  
 Ralph A. Eskesen  
 Emil A. Falk  
 John T. Flynn  
 Claude E. Forkner, Jr.  
 Francis J. Gilroy  
 Selig M. Ginsburg  
 Robert D. Gittler  
 David Goebel

Oscar E. Goldstein  
 George W. Gorham  
 Keith O. Guthrie, Jr.  
 Marshall J. Hanley  
 Leonard L. Heimoff  
 Herman G. Helpert  
 Lawrence B. Hobson  
 Raymond B. Hochman  
 Donald W. Hoskins  
 Robert D. Huebner  
 Norman J. Isaacs  
 Leif Y. Jacobsen  
 Bernard Jaslowitz  
 Thomas P. Jernigan  
 Lawrence I. Kaplan  
 J. Harry Katz  
 Bernard Koven  
 Mortimer Lacher  
 Martha Larsen  
 Harold L. Leder  
 Dorothea Lemcke  
 Leo R. Lese  
 Bruce C. Levy  
 Charles M. Lewis  
 Marjorie Lewisohn  
 John LoVerme  
 Norton M. Luger  
 John F. Marchand  
 Mark R. Marciano  
 Aaron J. Marcus  
 Neva Eileen McGrath  
 George A. McLemore, Jr.  
 Allen W. Mead  
 John J. Mead III  
 David W. Molander  
 Willis A. Murphy  
 Luigia Norsa  
 Thomas C. Parsons  
 Artemis G. Pazianos  
 George E. Peabody  
 Francis S. Perrone

Aurelia Potor  
 James A. Reilly  
 Milton Reich  
 Sanford M. Reiss  
 Charles H. Ressler  
 Jack Richard  
 Thomas G. Rigney  
 Seymour H. Rinzler  
 Julius Rogoff  
 Isadore Rosenfeld  
 Emmanuel Rudd  
 Paul Rueggesser  
 Paul Saville  
 Leonard Schuyler  
 Ernest Schwartz  
 Arthur W. Seligmann  
 Edward M. Shepard  
 Richard T. Silver  
 Gerald M. Silverman  
 Harry A. Sinclair  
 Lawrence S. Sonkin  
 Aaron D. Spielman  
 Robert D. Sullivan  
 Katharine W. Swift  
 Thomas T. Tamlyn  
 Marian Tyndall  
 Louis J. Vorhaus II  
 Harold R. Wainerdi  
 Milton A. Wald  
 Lila A. Wallis  
 Clinton G. Weiman  
 Aaron O. Wells  
 Erwin A. Werner  
 Carl Wierum  
 Florence A. Wilson  
 A. Lee Winston  
 Edward A. Wolfson  
 Edward L. Worthington  
 Alexander W. Young, Jr.  
 Seymour Zucker

*Research Associates:*

Eleanor Deschner  
Mary E. W. Goss

Eleanor E. D. Hancock

Margaret E. Todd

*Research Fellows:*

Bertrand M. Bell  
Thomas J. Bellezza  
Harry Bienenstock  
Robert G. Brayton  
Howard Bronstein  
Robert E. Dye  
Elizabeth A. Eilers  
H. Earl Ginn, Jr.  
Leo Goldstein  
Sidney Goldstein  
Helen Goodell

Seymour Grossman  
Stephen J. Gulotta  
Ali H. Gur  
Robert I. Hamby  
Myron A. Hofer  
Mary E. Hopper  
Marian Isaacs  
David E. Jenkins  
Marianne Lindner  
William T. London  
Marks Masch

John F. Morris  
Jay A. Noble  
Margaret C. Olendzki  
Raymond E. Phillips  
Leon J. V. Richelle  
Michael H. Stone  
Max A. Tesler  
William A. White  
Turgut Zileli  
David S. Zimmon

*Assistants in Medicine:*

Henriette E. Abel  
James E. Anderson, Jr.  
Julian Aroesty  
Ralph A. Baer  
Morton Blum  
Martin F. Choy  
Robert L. Collier  
C. Stephen Connolly  
William Deep  
G. Dewey Dunn  
John W. Evans  
M. Elaine Eyster  
Marie Jeanne Ferrari  
Martin Gardy  
Walter H. Glinsmann  
David L. Globus  
Gilbert Grossman  
Asher Haymovits

James W. Innes  
Gary R. Joachim  
Alan Kaye  
John Kimball  
Neill C. Klein  
Thomas Koeze  
Richard J. Kossmann  
Charles LaMonte  
Charles Leach  
Burton J. Lee III  
Walter M. Lewis  
Donald N. MacKay  
Dobrosav Matiassevic  
Donald McKaba  
Alexander C. McLeod  
William A. Morgan  
Eugene Morkin  
John A. Oates

Sydnor B. Penick III  
Herbert I. Rappaport  
Joseph Richard  
Kathleen Rives  
Robert Daniel Roe  
John Ross, Jr.  
Edmund O. Rothschild  
M. Hugh Sangree, Jr.  
Peter B. Schneider  
J. Robert Shofer  
Gerard P. Smith  
James P. Smith, Jr.  
J. Kelly Smith, Jr.  
Jules Schwaber  
Charles K. Tashima  
Robert J. Timberger  
David G. Underwood  
Stanley Weglarz

*Lecturers in Medicine:* William G. C. Munroe (Tuberculosis), Robert L. Yeager (Tuberculosis)

Students begin their course in medicine in the third term of the second year with physical diagnosis. The subject is introduced by means of lectures, demonstrations, and practical work on normal subjects and patients. Practical work with patients is done either in the pavilions of the New York Hospital or on the wards of Bellevue, Memorial, or New York Veterans Administration hospitals.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the second term of the second year, under the direction of Dr. Kellner. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates,



transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical significance of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration, and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine. Their time is divided equally between the New York Hospital under the supervision of Dr. Luckey and Dr. Wolff, and Bellevue Hospital under the direction of Dr. Almy.

The medical wards of the New York Hospital comprise five public pavilions totaling 126 beds. Those at Bellevue have approximately 100 teaching beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor at the New York Hospital are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in diseases of the nervous system.

The instruction of the senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences, and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathology conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

*CARDIOVASCULAR-RENAL DISEASE (at Bellevue Hospital)...* Dr. Rubin and others. For a period of two months. Maximum registration, two students.

The work will consist of following patients with cardiac problems and disturbances of acid-base balance, reading electrocardiograms, and participating in investigative projects.

**ENDOCRINOLOGY AND METABOLISM**... For periods of two months. Maximum registration, two students. Assignments to diabetic clinic, endocrine clinic, and metabolism ward, and participation in applicable laboratory methods.

**NEUROLOGY**... Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

**CARDIOLOGY**... Dr. Harold J. Stewart and staff. For periods of two months. Maximum registration, one student. Participation in the cardiac clinic and wards, the reading of electrocardiograms, and assignments to research problems.

**HEMATOLOGY**... Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. Participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

**NEUROANATOMY**... Dr. Fletcher H. McDowell. The development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

**FORENSIC MEDICINE**... (a) *A series of 15 lectures* given by Dr. Milton Helpern. The subject matter is illustrated with material derived from cases investigated by the office of the Chief Medical Examiner of the Borough of Manhattan.

Covers the following topics: the obligations and rights of physicians; relations of the physician to government agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair; forensic application of blood grouping; occupational injuries and diseases.

Tuesday afternoon, 5-6 p.m.

(b) *Practical course*. An opportunity will be given to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths, which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

To be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

### OTHER ELECTIVES

Other special electives may be arranged through conference with the head of the department.

### MEDICAL COMPREHENSIVE CARE AND TEACHING PROGRAM

The course in comprehensive medicine occupies the major attention of half the senior class during each of the two semesters of the fourth year. It is designed to be a synthesis of the many disciplines to which the medical student has been exposed and, as such, may be considered a laboratory course in patient care.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients are carried out with minimal referral to other clinics. In this exercise senior students play a responsible and functioning role.

Social factors in patient care are emphasized through participation of the staff of the New York Hospital social service department. One social worker has been appointed to coordinate the activities of this staff, as well as the services provided by community agencies. Similarly, a public health nurse coordinates nursing activities in the program.

Teaching of preventive medicine is the responsibility of a physician representing the department of public health and preventive medicine.

Emotional aspects of disease are stressed through the participation of a selected group of psychiatrists from the department of psychiatry.

A representative of the department of surgery and one from the department of obstetrics and gynecology provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine are offered each student in addition to the regular clinic work.

Dr. George G. Reader is in over-all charge of the program and is assisted by three assistant directors, two from the department of medicine together with the staff of the medical outpatient department, and one from the department of pediatrics together with the staff of the pediatric outpatient department.

### MICROBIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Microbiology and Immunology

JOHN Y. SUGG, Associate Professor of Microbiology and Immunology

IRVING ABRAHAM, Assistant Professor of Microbiology and Immunology

ROY CLEELAND, Assistant Professor of Microbiology and Immunology

WILLIAM M. O'LEARY, Assistant Professor of Microbiology and Immunology

FRED RAPP, Assistant Professor of Microbiology and Immunology

*Instructor:* Bob S. Roberson

*Lecturer:* Alvin Hollander

The course is presented in the first trimester of the second year and consists of laboratory experiments, lectures, and group discussions. The laboratory work includes an introduction to the procedures used in studying micro-organisms,

experiments on the mechanisms of the different kinds of antigen-antibody reactions, the actions of chemotherapeutic agents, a survey of the microbial flora of the upper respiratory and lower intestinal tracts of healthy humans, and an intensive study of the causal agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. The lectures are directed toward the development of basic concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships. Emphasis is placed on aspects related to the etiology, pathogenesis, epidemiology, and prevention of infectious disease; special attention is given also to the immunological principles involved in the various manifestations of hypersensitiveness that occur in disease conditions of noninfectious origins.

**ELECTIVE COURSES**... Opportunities for advanced research studies in bacteriology, mycology, virology, immunology, or microbial biochemistry are provided to a limited number of students who wish to devote their elective time to studies in these subjects.

## OBSTETRICS AND GYNECOLOGY

R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology (*Chairman*)  
 JOSEPH F. ARTUSIO, Jr., Professor of Anesthesiology in Obstetrics and Gynecology  
 EDWARD H. DENNEN, Clinical Professor of Obstetrics and Gynecology  
 JOSEPH N. NATHANSON, Clinical Professor of Obstetrics and Gynecology  
 FRANK R. SMITH, Clinical Professor of Obstetrics and Gynecology

THOMAS L. BALL, Clinical Associate Professor of Obstetrics and Gynecology  
 ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology  
 RALPH W. GAUSE, Clinical Associate Professor of Obstetrics and Gynecology  
 RANDOLPH GEPFERT, Clinical Associate Professor of Obstetrics and Gynecology  
 WILLIAM P. GIVEN, Clinical Associate Professor of Obstetrics and Gynecology  
 OSCAR GLASSMAN, Clinical Associate Professor of Obstetrics and Gynecology  
 ARTHUR V. GREELEY, Clinical Associate Professor of Obstetrics and Gynecology  
 DONALD G. JOHNSON, Clinical Associate Professor of Obstetrics and Gynecology  
 ELMER E. KRAMER, Clinical Associate Professor of Obstetrics and Gynecology  
 ROBERT LANDESMAN, Clinical Associate Professor of Obstetrics and Gynecology  
 BENJAMIN E. MARBURY, Clinical Associate Professor of Anesthesiology in Obstetrics and Gynecology

CHARLES M. McLANE, Clinical Associate Professor of Obstetrics and Gynecology  
 CURTIS L. MENDELSON, Clinical Associate Professor of Obstetrics and Gynecology  
 NELSON B. SACKETT, Clinical Associate Professor of Obstetrics and Gynecology  
 GEORGE SCHAEFER, Clinical Associate Professor of Obstetrics and Gynecology  
 WILLIAM J. SWEENEY, Clinical Associate Professor of Obstetrics and Gynecology

STANLEY J. BIRNBAUM, Clinical Assistant Professor of Obstetrics and Gynecology  
 MYRON I. BUCHMAN, Clinical Assistant Professor of Obstetrics and Gynecology  
 JUSTIN T. CALLAHAN, Clinical Assistant Professor of Obstetrics and Gynecology  
 JOHN T. COLE, Clinical Assistant Professor of Obstetrics and Gynecology  
 ROBERT L. CRAIG, Clinical Assistant Professor of Obstetrics and Gynecology  
 E. WILLIAM DAVIS, Jr., Clinical Assistant Professor of Obstetrics and Gynecology  
 THOMAS F. DILLON, Clinical Assistant Professor of Obstetrics and Gynecology  
 WILLIAM F. FINN, Clinical Assistant Professor of Obstetrics and Gynecology  
 GRAHAM G. HAWKS, Clinical Assistant Professor of Obstetrics and Gynecology  
 EDWARD C. MANN, Clinical Assistant Professor of Obstetrics and Gynecology  
 VALENTINO B. MAZZIA, Clinical Assistant Professor of Anesthesiology in Obstetrics and Gynecology  
 RICHARD A. RUSKIN, Clinical Assistant Professor of Obstetrics and Gynecology



E. FLETCHER SMITH, Clinical Assistant Professor of Obstetrics and Gynecology  
 CHARLES T. SNYDER, Clinical Assistant Professor of Obstetrics and Gynecology  
 EDWARD F. STANTON, Clinical Assistant Professor of Obstetrics and Gynecology  
 MARJORIE J. TOPKINS, Clinical Assistant Professor of Anesthesiology in Obstetrics and Gynecology

*Instructors:*

Hugh R. K. Barber	Hugh Halsey II	Virginia K. Pierce
Naef K. Basile	Robert C. Knapp	Frederick Silverman
Charles H. Bippart	John R. Langstadt	Jay B. Skelton
Perry S. Boynton, Jr.	William D. McLarn	James C. Warenski
Alfred Brockunier	Robert N. Melnick	Virginia Werden
David B. Crawford, Jr.	Myles C. Morrison, Jr.	Robert E. Wieche
Walter Freedman	Bernard Nathanson	

*Research Associate:* Elaine Grimm, Ph.D.

*Assistants:*

Daniel W. Adams	Robert E. Hardy	John T. Queenan
Jerome H. Brander	Charles Hoffman	E. Thomas Steadman
Edward O. Brown	Frederick W. Martens	H. Hudnall Ware III
D. Erskine Carmichael	Irwin R. Merkat	William D. Walden
Thomas C. Carrier	Masao Nakamoto	

The Lying-In Hospital, a division of The New York Hospital, provides 114 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 92 beds. Students are given practical instruction in the out-patient department clinics of both obstetrics and gynecology and in the various special clinics designed for the more intensive study and care of patients with unusual problems. The students are provided every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 6,000 adult admissions to the obstetrical service and 2,500 to the gynecological service each year.

## SECOND YEAR

*ORIENTATION AND INTRODUCTION TO GYNECOLOGICAL EXAMINATION . . .* During the last trimester of the second year, one two-hour session on orientation in the discipline and review of basic and pertinent clinical anatomy is given to one quarter of the class every week. Subsequently, two one-hour sessions involving instruction in pelvic examination are given to groups of four students six days weekly, 4 hours. Professors Douglas, Given, Ball, Johnson, and staff.

## THIRD YEAR

*COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY . . .* Lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of diseases of the pelvic structures.

The entire class meets for these sessions on Mondays and Saturdays 8:30 to



9:30 a.m. throughout the year. Professors Douglas, McLane, Kramer, Frank Smith, Given, Johnson, Ball, Gause, and staff. Total hours, 66.

*COURSE II. PRACTICAL INSTRUCTION . . .* Given to one-sixth of the class for periods of one-half of a trimester ( $5\frac{1}{2}$  weeks) on Tuesdays and Thursdays 9:30 a.m. to 11:30 a.m. Deals especially with physical diagnosis in both obstetrical and gynecological patients, and manikin exercises. Professors Dennen, Kramer, Hawks, Ruskin, Dillon, Bernard Nathanson, and staff.

*COURSE III. SEMINAR . . .* Given to one-sixth of the class for periods of one-half of a trimester ( $5\frac{1}{2}$  weeks) on Tuesdays and Thursdays 11:30 a.m. to 12:30 p.m. Conducted on an informal basis; active student participation is encouraged. The subject matter pertains largely to obstetrical complications of pregnancy and labor. Professors Given, Johnson, and staff.

*COURSE IV. INFECTIOUS AND NEOPLASTIC DISEASES . . .* Instruction in diseases of bacterial origin commonly seen in obstetrics and gynecology, together with discussions of the problems of malignant neoplastic disease in this field. The basic concepts of radiation therapy, with emphasis on the application to malignant disease in the female generative tract. Given to one-third of the class each trimester. Mondays 9:30 to 10:30 a.m. Professors Douglas, Burnett (Radiology), Dillon, Davis, and staff.

*COURSE V. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY . . .* Laboratory instruction in obstetrical and gynecological pathology, both gross and microscopic. Given to one-third of the class each trimester. Mondays 10:30 a.m. to 12:30 p.m. Professors Kramer, Davis, Finn, Snyder, and staff. Total hours, 77 for Courses II, III, IV, and V.

#### FOURTH YEAR

*MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY . . .* Comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will serve in The Lying-In Hospital for a period of  $7\frac{1}{2}$ -weeks, during which time he will act as a clinical assistant in the obstetrical and gynecological department; this includes activities in hospital wards, delivery and operating rooms, and clinics. Students assigned to the delivery floor will be provided with sleeping accommodations but not with board. The student is expected to participate in all departmental teaching functions. Daily rounds are held on each floor to keep him informed on all activities in addition to those relating to his assigned patients.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

A conference is conducted each morning, 8:30 to 9:30 a.m., for those students assigned to the delivery floor. Problems encountered during the previous day are thoroughly discussed. Active student participation is encouraged. Professors Joseph Nathanson, Hawks, and Ruskin.

Because of the nature of the service, night and weekend work is required. Minimum hours allotted to the course, 285.

**DEPARTMENTAL STAFF CONFERENCES AND ROUNDS . . .** A weekly staff conference is held on Mondays from 2 to 4 p.m. and rounds on Fridays from 11 a.m. to 1 p.m. Symposia and instructive case reports with student participation will be presented. Professor Douglas and staff.

**LABOR AND DELIVERY FLOOR TEACHING . . .** Four or five students are assigned to this area for one-third of their departmental time. In addition to continuous supervision and individual instruction a special teaching conference is held each morning, 8:30-9:30 a.m. Professor Nathanson and staff.

A clinical-surgical pathologic conference is held each Wednesday from 5 p.m. to 6 p.m. Current pathological material, gross and microscopic, is projected and correlated with the clinical data. Professors Kramer, Davis, and staff.

**OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY . . .** Current representative pathological material with a brief clinical history and microscopic projection will be presented each Wednesday from 5 to 6 p.m. Professor Kramer and staff.

## ELECTIVE COURSES

**PRACTICAL OBSTETRICS AND GYNECOLOGY . . .** A limited number of students will be accepted to serve as assistants in different clinics.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities and opportunities for clinical investigation in neoplastic disease, endocrinology, heart disease, infertility, and other fields. The various rounds and staff conferences can be attended.

Encouragement is given for original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

## PATHOLOGY

JOHN G. KIDD, Professor of Pathology (*Chairman*)  
ROBERT C. MELLORS, Professor of Pathology

JOHN T. ELLIS, Associate Professor of Pathology  
AARON KELLNER, Associate Professor of Pathology  
GEORGE E. MURPHY, Associate Professor of Pathology  
GOETZ W. RICHTER, Associate Professor of Pathology

JAMES C. HARKIN, Assistant Professor of Pathology  
JOHN SEYBOLT, Assistant Professor of Pathology  
JEAN TODD, Assistant Professor of Pathology

### *Instructors:*

Wallace G. Campbell  
Charles A. Santos Buch

Norman Lowe

### *Research Associates:*

John D. Broome

Kenneth R. Woods

*Assistants:*

Peter M. Burkholder  
 Charles R. Carrington  
 Jack W. C. Hagstrom  
 Richard P. Karoll

C. Richard Minick  
 Leslie H. Sobin  
 Charlotte M. Street  
 Richard L. Weidenbacher

*Lecturers:*

Arthur S. Carlson  
 Milton Helpert

Theodore Robertson

*Visiting Fellow:*

L. Whittington Gorham

**GENERAL PATHOLOGY****FACILITIES**

The department of pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are situated. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851, and in recent years protocols and microscopic slides have been carefully indexed and filed.

**INSTRUCTION . . .** Instruction is given in the first and second terms of the second year. Gross and histological lesions are studied, and their pathogenesis and correlation with disturbed function are considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair, and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

**GENERAL AND SPECIAL PATHOLOGY . . .** Required in the first and second terms of the second year.

Professor Kidd and staff. 264 hours.

**NEUROPATHOLOGY . . .** The pathology of the nervous system is studied, and altered structure and function are correlated.

Professor Vogel. 33 hours.

**CLINICAL PATHOLOGICAL CONFERENCES** . . . These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

**ELECTIVE COURSES** . . . A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of the several fields to be determined by consultation with the heads of the departments. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months and may be continued into the summer.

## PEDIATRICS

WALLACE W. McCRORY, Professor of Pediatrics (*Chairman*)  
 ARTHUR F. ANDERSON, Clinical Professor of Pediatrics  
 HAROLD W. K. DARGEON, Clinical Professor of Pediatrics  
 HEINZ F. EICHENWALD, Professor of Pediatrics  
 CARL H. SMITH, Clinical Professor of Pediatrics

LEONA BAUMGARTNER, Clinical Associate Professor of Pediatrics  
 SAMUEL R. BERENBERG, Clinical Associate Professor of Pediatrics  
 MARGARET DANN, Associate Professor of Pediatrics  
 PAUL F. DE GARA, Clinical Associate Professor of Pediatrics (Allergy)  
 MARY A. ENGLE, Associate Professor of Pediatrics  
 NATHAN EPSTEIN, Clinical Associate Professor of Pediatrics  
 MARION E. ERLANDSON, Associate Professor of Pediatrics  
 JOHN E. FRANKLIN, Clinical Associate Professor of Pediatrics  
 HENRY P. GOLDBERG, Clinical Associate Professor of Pediatrics  
 EDMUND N. JOYNER III, Clinical Associate Professor of Pediatrics  
 HEDWIG KOENIG, Clinical Associate Professor of Pediatrics  
 MILTON I. LEVINE, Clinical Associate Professor of Pediatrics  
 M. LOIS MURPHY, Associate Professor of Pediatrics  
 CHARLES H. O'REGAN, Clinical Associate Professor of Pediatrics  
 MARJORIE A. WHEATLEY, Clinical Associate Professor of Pediatrics

BARBARA ASHE, Assistant Professor of Pediatrics  
 CHARLES H. BAUER, Clinical Assistant Professor of Pediatrics  
 OTTO E. BILLO, Clinical Assistant Professor of Pediatrics  
 SAMUEL W. DOOLEY, Assistant Professor of Pediatrics  
 ROBERT O. Du BOIS, Clinical Assistant Professor of Pediatrics  
 MARVIN J. GERSH, Clinical Assistant Professor of Pediatrics  
 MARTIN J. GLYNN, Clinical Assistant Professor of Pediatrics  
 JAMES Q. HARALAMBIE, Clinical Assistant Professor of Pediatrics  
 GEORGE S. HARRIS, Jr., Clinical Assistant Professor of Pediatrics  
 FREDERICK C. HUNT, Clinical Assistant Professor of Pediatrics  
 MARGARET M. KUGLER, Clinical Assistant Professor of Pediatrics  
 WAN NGO LIM, Assistant Professor of Pediatrics  
 FLORENCE N. MARSHALL, Clinical Assistant Professor of Pediatrics \*  
 ROBERT G. McGOVERN, Clinical Assistant Professor of Pediatrics  
 MARION McILVEEN, Clinical Assistant Professor of Pediatrics  
 JOAN E. MORGENTHAU, Clinical Assistant Professor of Pediatrics  
 MADOKA SHIBUYA, Clinical Assistant Professor of Pediatrics  
 HENRY R. SHINEFIELD, Assistant Professor of Pediatrics  
 MARTHA L. SMITH, Clinical Assistant Professor of Pediatrics  
 GERTRUDE S. STERN, Assistant Professor of Pediatrics

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\* On leave of absence.



MAXWELL STILLERMAN, Clinical Assistant Professor of Pediatrics  
 LOUIS E. WEYMULLER, Clinical Assistant Professor of Pediatrics  
 STANLEY S. ZIPSER, Clinical Assistant Professor of Pediatrics

*Instructors:*

Benedict S. Caterinicchio  
 Margaret W. Hilgartner  
 Margaret S. Lyman

Maria I. New  
 Charlotte Tan

*Clinical Instructors:*

Richard R. Bass  
 Jean T. Beasley  
 Ann McA. Birch  
 Mary C. Buchanan  
 Walter T. Carpenter  
 Leon I. Charash  
 Ruth Cudmore

Alan P. DeMayo  
 Joseph H. DiLeo  
 Margaret T. Grossi  
 Ingeborg S. Hoffman  
 Tomiko Ito  
 Phyllis H. Koteen  
 Carl P. Kremer, Jr.

Armond V. Mascia  
 Virginia Mitty  
 Rebecca F. Notterman  
 Virginia E. Pomeranz  
 Beatrice S. Slater  
 Peter S. Tolins  
 Alvah M. Weiss

*Research Associates:*

Katharine Cobb  
 Jules Golubow

Olga Kotsevalov  
 Helen McNamara

*Fellows:*

Ursula Müller-Eberhard  
 Kathryn H. Ehlers

Lenore S. Levine  
 Melville G. Magida

*Assistants:*

Jo Anne Brasel  
 Philip A. Brunell  
 Herbert J. Cohen  
 Philip W. H. Eskes  
 Peter B. Farnsworth  
 Phillip George

Abby J. Greenberg  
 Phyllis A. Harrison  
 Patricia L. Hensler  
 Howard N. Kandell  
 Ronald H. Levine  
 Howard Schreiber

Robert E. Sharkey  
 David I. Smith  
 Jerome M. Torsney  
 Thornton A. Vandersall

*Research Assistant:*

Elizabeth V. New

**THIRD YEAR . . .** A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children and principles of nutrition with application to infant feeding, with patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The work of the clinical clerkship includes attendance at cardiac clinics and at departmental conferences. Special rounds and seminars are arranged for the benefit of the clerks. Instruction in contagious disease is given at the New York Hospital. Total hours, 205.

**FOURTH YEAR . . .** The clinical lectures are continued through part of the fourth year and are closely integrated with the fourth year lectures in internal medicine. Many of the students' activities are a part of the Comprehensive Care



and Teaching Program. Students are assigned to the outpatient department in the mornings, where they are given supervised responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars is held under the supervision of senior staff members. Emphasis is placed on the psychological aspects of pediatrics and the measures which can be taken to promote proper growth and development. Both in the General Pediatric Clinics and the Well Baby Clinics students are given the opportunity for longitudinal follow-up of individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Under supervision students make home visits to patients with acute and chronic illness and give medical care in the home as indicated. Trips to inspect community resources are planned in relation to patient referrals. Cooperation with the department of obstetrics makes possible contacts with mothers during the antepartum and lying-in period. Total hours, 86.

## ELECTIVE COURSES

**SECOND YEAR . . .** Elective courses are offered to second year students in the third trimester. Part time or full time programs in the Division of Child Development, a part time program in Pediatric Radiology, or participation in one of a number of research activities supervised by various members of the Pediatric Department can be arranged individually.

**FOURTH YEAR . . .** Elective courses are offered to fourth year students during the entire academic year. Full time or part time programs in the Division of Child Development, in the various Pediatric Clinics, or participation in a number of research activities under the supervision of members of the Pediatric Department can be arranged individually with interested students.

## PHARMACOLOGY

WALTER F. RIKER, JR., Professor of Pharmacology (*Chairman*)  
HARRY GOLD, Clinical Professor of Pharmacology

WALTER MODELL, Associate Professor of Pharmacology  
JANET TRAVELL, Clinical Associate Professor of Pharmacology \*

ALBERT S. KUPERMAN, Assistant Professor of Pharmacology  
JOSEPH F. REILLY, Assistant Professor of Pharmacology  
JAY ROBERTS, Assistant Professor of Pharmacology  
FRANK G. STANDAERT, Assistant Professor of Pharmacology

*Instructor:* William T. Beaver

*Research Fellows:* Amir Askari      Edel Berman

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\* On leave of absence.

**SECOND YEAR . . .** Laboratory work, demonstrations, seminars, and lectures are given during the first term of the second year and constitute the basic course in pharmacology. The purpose of these exercises is to teach the principles of

pharmacology. Detailed consideration is given to the parameters of drug action so as to provide the student with the fundamental concepts essential for the evaluation of any drug. Consequently emphasis is placed on the scientific basis of pharmacology without particular reference to a systematic consideration of drugs or their applications. Rather, prototype substances serve to illustrate several mechanisms and parameters of drug action. 121 hours.

During the second trimester of the second year, the course in pharmacology is continued with two weekly lectures. In this phase of instruction systematic consideration is given to the pharmacologic properties of the more important drugs in current use. Therapeutic applications are not considered except where they uniquely illustrate pharmacologic characteristics. 22 hours.

**FOURTH YEAR . . .** Weekly seminars are held by the Pharmacology Department during the course in Comprehensive Medicine. The aim of these seminars is to review the pharmacologic properties of selected drugs and from this to ascertain the utility and limitations of these drugs in given clinical situations. Topics for discussion are determined chiefly by student choice. 11 hours.

## ELECTIVE COURSES

**SECOND YEAR . . .** An elective course is offered in the third trimester of the second year. In this, the student may have the opportunity either to ascertain the pharmacologic profile of newer drugs, through application of principles introduced in the basic course, or to clarify, through research, some particular aspect of drug action. Scheduled seminars serve as a means for presentation and critical discussion of studies in progress. These activities are supervised closely by staff members and oriented as a graduate course. Consequently registration is limited. 220 hours.

## PHYSIOLOGY

ROBERT F. PITTS, Professor of Physiology

GERHARD H. GIEBISCH, Associate Professor of Physiology

ROGER L. GREIF, Associate Professor of Physiology

D. ROBERT AXELROD, Clinical Assistant Professor of Physiology

HAROLD G. HEMPLING, Assistant Professor of Physiology

RICHARD H. KESSLER, Clinical Assistant Professor of Physiology

SHERMAN KUPFER, Clinical Assistant Professor of Physiology

### *Instructor:*

Erich E. Windhager \*

### *Research Fellows:*

Mamoru Fujimoto

Sheldon Glabman

Franklin D. Nash

Stephen W. Weinstein

\* On leave of absence.

The instruction in physiology and biophysics is concentrated in the second and third terms of the first year. Prerequisites include a basic knowledge of chemistry and physics and at least some knowledge of anatomy, neuroanatomy,

and biochemistry. The second term is devoted to lectures and conferences and the third term to laboratory, lectures, and conferences.

The instruction in physiology and biophysics is directed toward an understanding of the principles involved in the functioning of the human body and of the means by which the functions of the various organ systems are integrated. Lectures are supplemented by references to current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

**SECOND TERM** . . . Lectures and conferences on bioelectric phenomena, nerve, muscle, special senses, blood, circulation, respiration, and gastrointestinal function. 44 hours.

**THIRD TERM** . . . Laboratory work on all phases of physiology and biophysics including applications of radioisotopic methods to the study of body function. Conferences are largely devoted to a consideration of laboratory results and to the presentation of patients who exhibit functional disturbances. Lectures on metabolism, central nervous system, endocrinology, body fluids, and kidney. Laboratory exercises two full days per week. 187 hours.

A course in radiobiology is sponsored by the Department of Physiology, but presented in cooperation with the Departments of Radiology, Pathology, Microbiology, Biochemistry and Medicine. The course includes discussions of the nature of ionizing radiation, the effects of ionizing radiation at molecular and cellular levels, radiopathology, the genetic effects of radiation, radiation protection, and the use of radioisotopes in medical research. 11 hours of lecture.

**ELECTIVE COURSES** . . . A seminar course in Topics in Biophysics and one in Fluid and Electrolyte Balance are offered to selected students during their second year elective time. An opportunity is offered to not more than five students during their second year elective period to participate as laboratory instructors in physiology. Research work for medical students during second and fourth year elective periods and for members of any class during summer vacation periods will be arranged on consultation with members of the department.

## **COURSES OPEN TO SPECIAL STUDENTS**

1. **PHYSIOLOGY.** Fee, \$100 for each term.
2. **PHYSIOLOGICAL RESEARCH.** Subject to special arrangement with head of the department.

## PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry (*Chairman*)  
 PHYLLIS GREENACRE, Clinical Professor of Psychiatry  
 ALEXANDER H. LEIGHTON, Professor of Psychiatry (Social Psychiatry)  
 JAMES H. WALL, Clinical Professor of Psychiatry

FRANCIS J. HAMILTON, Clinical Associate Professor of Psychiatry  
 LAWRENCE E. HINKLE, JR., Clinical Associate Professor of Medicine in Psychiatry  
 RICHARD N. KOHL, Associate Professor of Psychiatry  
 DOROTHEA C. LEIGHTON, Clinical Associate Professor of Psychiatry (Social Psychiatry)  
 LIVINGSTON WELCH, Associate Professor of Psychology in Psychiatry  
 HAROLD G. WOLFF, Associate Professor of Psychiatry

ERIC T. CARLSON, Clinical Assistant Professor of Psychiatry  
 HELEN E. DANIELLS, Clinical Assistant Professor of Psychiatry  
 FREDERIC F. FLACH, Clinical Assistant Professor of Psychiatry  
 ALAN W. FRASER, Clinical Assistant Professor of Psychiatry  
 CHARLES C. HUGHES, Assistant Professor of Anthropology in Psychiatry (Social Psychiatry)  
 SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology in Psychiatry  
 CHARLES A. KNEHR, Assistant Professor of Psychology in Psychiatry  
 NORVELLE C. LAMAR, Clinical Assistant Professor of Psychiatry  
 THOMAS S. LANGNER, Assistant Professor of Sociology in Psychiatry (Social Psychiatry)  
 JAMES F. MASTERSON, JR., Clinical Assistant Professor of Psychiatry  
 CURTIS T. PROUT, Clinical Assistant Professor of Psychiatry  
 LEON RACKOW, Clinical Assistant Professor of Psychiatry  
 JOSEPH F. REILLY, JR., Assistant Professor of Pharmacology in Psychiatry  
 FRED V. ROCKWELL, Clinical Assistant Professor of Psychiatry  
 ALBERT C. SHERWIN, Clinical Assistant Professor of Psychiatry  
 PETER E. STOKES, Clinical Assistant Professor of Medicine in Psychiatry  
 JOSEPH D. SULLIVAN, Clinical Assistant Professor of Psychiatry  
 WILLIAM H. WAINWRIGHT, Assistant Professor of Psychiatry  
 NATHANIEL WARNER, Clinical Assistant Professor of Psychiatry

### *Instructors:*

Alfred B. Lewis, Jr.	Robert S. McCully	Herbert E. Spohn
Edward Y. Liang	Maurice Pachter	

### *Clinical Instructors:*

Edward T. Adelson	John A. Frank	Alan A. McLean
Arthur A. Anderson, Jr.	Stephen Goodyear	Marjorie Rittwagen
Stuart Ashman	Lawrence J. Hatterer	Philip S. Robbins
James E. Baxter	Philip S. Herbert, Jr.	Shirley Schaffer
A. Louise Brush	Peter T. Janulis	Marie-Louise Schoelly
Remo R. Cerulli	Francis D. Kane	Donald E. Schultz
Howard N. Cooper	Marilyn G. Karmason	Anne M. Shuttleworth
Eleanor Crissey	M. Dorothea Kerr	Leonard R. Straub
Lois B. de Alvarado	Allison B. Landolt	Hans Syz
Thomas L. Doyle, Jr.	Ludwig Laufer	Kenneth F. Tucker
Richard M. Esser	Rene C. Mastrovito	Morton L. Wadsworth
G. Renee Ferguson	Lillian E. McGowan	Henriette L. Wayne
M. Freile Fleetwood	John F. McGrath	Peter G. Wilson
Gerard Fountain	William K. McKnight	Arnold S. Zentner

### *Research Associates:*

Frederick A. Armstrong	Edward R. Llewellyn-Thomas
Albert N. Browne-Mayers	William D. Longaker
John S. Harding	Stanley T. Michael
Jane M. Hughes	



*Assistants:*

A. Anthony Arce  
 Frederick Backeland  
 Ralph D. Baker  
 Harvey H. Barten  
 Robert S. Carlson  
 Charles I. Celian  
 John H. Chilman

Robert M. Duguay  
 Samuel V. Dunkell  
 Theodore H. Finkle  
 Myron L. Glucksman  
 David C. Morley  
 Ira B. Pauly

Edward R. Razenhofer  
 Frank L. Rundle  
 Richard T. Suchinsky  
 Sylvia G. Traube  
 Joseph W. Verhey  
 Alden E. Whitney

*Research Assistants:*

Alice L. Longaker

David B. Macklin

Lionel Vallee

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital, in the Comprehensive Care and Teaching Program, and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

*FIRST YEAR: PERSONALITY DEVELOPMENT . . .* Acquaints the student with the development and methods of study of the normal personality. Lectures and seminars are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 33.

*SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION . . .* The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic. Offers practical experience in interviewing history taking and in the methods of psychiatric examination. Total hours, 33.

*THIRD YEAR: CLINICAL PSYCHIATRY . . .* Intended to clarify the descriptive and dynamic aspects of the major types of psychiatric disorders in such a way that the student will be able to formulate goals and method of treatment in all patients. The program includes lectures, seminars, and case discussions. Students examine and follow in-patients at the Payne Whitney Psychiatric Clinic; in addition, patients from the general hospital are reviewed. Total hours, 33.

*FOURTH YEAR: CLINICAL PSYCHIATRY . . .* In the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. Offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presenta-



tion, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Total hours, 99.

**ELECTIVE WORK . . .** Opportunities for elective work are provided in the in- and outpatient departments, on the metabolic unit, in the laboratories of the Payne Whitney Psychiatric Clinic, and in the department of social psychiatry, with emphasis on community psychiatry and epidemiology of mental illness; and at the Westchester Division of the New York Hospital, White Plains, N.Y.

## PUBLIC HEALTH

WALSH McDERMOTT, Livingston Farrand Professor of Public Health (*Chairman*)  
LEONA BAUMGARTNER, Clinical Professor of Public Health  
WILLIAM T. INGRAM, Visiting Professor of Engineering in Public Health  
EDWIN D. KILBOURNE, Professor of Public Health

JOHN J. ADAIR, Assistant Professor of Social Anthropology in Public Health  
SAMUEL R. BERENBERG, Clinical Assistant Professor of Public Health  
BEATRICE B. BERLE, Clinical Assistant Professor of Public Health  
AARON D. CHAVES, Clinical Assistant Professor of Public Health  
MURRAY DWORETZKY, Clinical Assistant Professor of Public Health  
AUGUST H. GROESCHEL, Assistant Professor of Public Health  
B. H. KEAN, Assistant Professor of Parasitology in Public Health  
ANN P. KENT, Clinical Assistant Professor of Public Health  
JAMES R. McCARROLL, Assistant Professor of Public Health  
ROBERT M. McCUNE, Assistant Professor of Public Health  
PHILIP OLLSTEIN, Clinical Assistant Professor of Public Health  
MELVIN S. SCHWARTZ, Assistant Professor of Biometrics in Public Health

### *Instructors:*

Mathilde Krim  
David L. Rabin

Richard W. Roberts  
Jerome L. Schulman

### *Clinical Instructors:*

Margaret Dressler  
James H. Ewing  
Gladys L. Hobby

William Loery  
R. P. Sim  
Richard S. Usen

### *Research Fellows:*

Eric J. Cassell  
Richard H. Morrow

David L. Rabin  
K. Marilyn Smart

The teaching aim of the department of public health is to assist the student to recognize the relationship between his expanding capital of medical theory and knowledge and the medical problems of the time. Of necessity, this involves the consideration of certain questions, in terms more general than those pertaining to an individual patient, but the medical problems of certain patients may also be profitably considered in relation to the times in which they live.

The courses start at the beginning of the second year and are continued throughout the third and fourth years.

**SECOND YEAR: PARASITOLOGY . . .** The first course is in diseases caused by the larger parasites which are particularly prevalent in so-called economically underdeveloped areas.

Given by Dr. B. H. Kean and his associates during the second trimester of

the school year. Dr. Kean is Consultant in Tropical Diseases to the New York Hospital and has had extensive field experience in the tropics. The important larger parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the various diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed. Actual cases of parasitic diseases are used to illustrate the laboratory exercises and the lectures.

Each Thursday afternoon during the second trimester of the second year, a lecture or demonstration is presented from 2 to 3 p.m., and the laboratory exercises are then carried on from 3 to 5 p.m. Total hours, 33.

*SECOND YEAR: EPIDEMIOLOGY*... During the second trimester of the year an introduction to epidemiology is given under the direction of Dr. James McCarroll. Emphasis is placed on patterns of disease occurrence and spread in the population and consideration of the intimate relationship between the nature of a community and its disease problems. Some of the teaching in biometrics is also given in this course which is held each Monday afternoon from 2 to 3 p.m., and four Saturday mornings from 9 to 12 throughout the second trimester. Total hours, 23.

*THIRD YEAR*... The course in the third year is divided into two parts: (A) morning lectures; and (B) field trips followed by seminars.

The morning lectures are held every Friday throughout the year. Both the seminars and the lectures are devoted to consideration of general questions of a clear medical import which may be expected to represent major problems to the students' future patients and to himself. Except for the morning lectures, the teaching is all conducted with groups of 7 to 14 students. Total seminars and section work, 36 hours; total morning clinics, 33 hours.

*FOURTH YEAR*... The teaching program in the fourth year is centered in the Comprehensive Care and Teaching Program in the Medical Clinic. One of the full-time members of the department is a regular member of the teaching staff of the CCTP program and serves to coordinate the teaching activities of the other departmental members in the program. In addition, a series of 5 seminars are held during each one half year. Total hours, 14.

## ELECTIVE COURSES

*EPIDEMIOLOGY AND INFECTIOUS DISEASES*... Experimental work and problems related to virology, immunology and chronic bacterial infection may be undertaken when feasible in the Division of Virus Research or other laboratories of the department of public health and preventive medicine. In addition, problems in biometrics or epidemiology of infectious and noninfectious diseases may be undertaken. Studies involving library scholarship may be pursued in any of the foregoing categories under guidance of faculty members of the department.

*MEDICAL PARASITOLOGY*... Intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

**NAVAJO RESERVATION...** Opportunities are available each period for a small number of fourth year students to work at the Many Farms Clinic on the Navajo Reservation in northeast Arizona. Supervised training is given in clinical medicine and in the problems and techniques of medical care and research in the cross-cultural setting of this underdeveloped area. A stipend of \$400 is available for travel expenses. Living quarters are furnished.

## RADIOLOGY

JOHN A. EVANS, Professor of Radiology (*Chairman*)  
 JAMES J. NICKSON, Professor of Radiology  
 ROBERT S. SHERMAN, Clinical Professor of Radiology  
 HAROLD L. TEMPLE, Clinical Professor of Radiology

DAVID V. BECKER, Associate Professor of Radiology  
 HARRY W. BURNETT, Associate Professor of Radiology  
 GUIDO CURRARINO, Associate Professor of Radiology  
 NATHANIEL FINBY, Clinical Associate Professor of Radiology  
 ULRICH K. HENSCKE, Clinical Associate Professor of Radiology  
 RALPH F. PHILLIPS, Clinical Associate Professor of Radiology  
 ISRAEL STEINBERG, Clinical Associate Professor of Radiology

THANE ASCH, Assistant Professor of Radiology  
 EUGENE BRONSTEIN, Clinical Assistant Professor of Radiology  
 FLORENCE CHIEN HWA-CHU, Clinical Assistant Professor of Radiology  
 KUO YORK CHYNN, Assistant Professor of Radiology  
 F. MITCHELL CUMMINS, Clinical Assistant Professor of Radiology  
 ELIZABETH FOCHT, Assistant Professor of Radiology (Physics)  
 ROBERT H. FREIBERGER, Clinical Assistant Professor of Radiology  
 MORDECAI HALPERN, Assistant Professor of Radiology  
 GEORGE JASPIN, Clinical Assistant Professor of Radiology  
 MARVIN LORING, Assistant Professor of Radiology  
 ZUHEIR MUJAHED, Assistant Professor of Radiology  
 NATHAN POKER, Assistant Professor of Radiology  
 SAMUEL SEAL, Clinical Assistant Professor of Radiology  
 HENRY M. SELBY, Clinical Assistant Professor of Radiology  
 STEPHEN WHITE, Clinical Assistant Professor of Radiology

### *Instructors:*

Rubem Pochaczewsky  
 Alan Clark Scheer

Peter M. Tillotson

### *Clinical Instructors:*

Arnold Bajek  
 Arnold Berrett

Ruth E. Snyder

### *Assistants:*

R. L. Scotte Doggett  
 Paul J. Killoran  
 Roy Lucas  
 Irving Waldman

Albert Weinfeld  
 Jack L. Westcott  
 Donald R. Wieche

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum

of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgen diagnosis and radiation therapy are given to the fourth year class.

## ELECTIVES: FOURTH YEAR

(1) *X-RAY CLINICAL CLERKSHIP*... A limited number of students are accepted to observe, and assist where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11 a.m. to 12 m. The second session, from 1 to 2 p.m., is limited to a review of the current examinations of the gastrointestinal tract.

(2) *TECHNIQUE OF FLUOROSCOPY*... Two hours. Limited to six students. Arrangements to be made through the department head.

(3) *GASTROINTESTINAL FLUOROSCOPY AND FILM INTERPRETATION*... One month. Limited to six students at any one time.

## SURGERY

FRANK GLENN, Lewis Atterbury Stimson Professor of Surgery (*Chairman*)

JOSEPH F. ARTUSIO, JR., Professor of Anesthesiology in Surgery

HERBERT CONWAY, Clinical Professor of Surgery (Plastic Surgery)

CRANSTON W. HOLMAN, Clinical Professor of Surgery

VICTOR F. MARSHALL, Clinical Professor of Surgery (Urology)

JOHN M. McLEAN, Clinical Professor of Surgery (Ophthalmology)

JAMES A. MOORE, Clinical Professor of Surgery (Otolaryngology)

S. W. MOORE, Clinical Professor of Surgery

BRONSON S. RAY, Clinical Professor of Surgery (Neurosurgery)

T. CAMPBELL THOMPSON, Clinical Professor of Surgery (Orthopedics)

PRESTON A. WADE, Clinical Professor of Surgery

WILLIAM A. BARNES, Clinical Associate Professor of Surgery



- JOHN M. BEAL, Clinical Associate Professor of Surgery  
 EUGENE E. CLIFFTON, Clinical Associate Professor of Surgery  
 JOHN R. COBB, Clinical Associate Professor of Surgery (Orthopedics)  
 WILLIAM COOPER, Clinical Associate Professor of Surgery (Orthopedics)  
 WILLIAM A. COOPER, Clinical Associate Professor of Surgery  
 NELSON W. CORNELL, Clinical Associate Professor of Surgery  
 PETER DINEEN, Clinical Associate Professor of Surgery  
 JOHN W. DRAPER, Clinical Associate Professor of Surgery (Urology)  
 EDWARD A. DUNLAP, Clinical Associate Professor of Surgery (Ophthalmology)  
 JOHN H. ECKEL, Clinical Associate Professor of Surgery  
 GEORGE F. EGAN, Clinical Associate Professor of Surgery (Dentistry)  
 JOHN T. ELLIS, Associate Professor of Pathology in Surgery  
 GEORGE R. HOLSWADE, Clinical Associate Professor of Surgery  
 ERNEST W. LAMPE, Clinical Associate Professor of Surgery  
 FREDERICK L. LIEBOLT, Clinical Associate Professor of Surgery (Orthopedics)  
 BENJAMIN E. MARBURY, Clinical Associate Professor of Anesthesiology in Surgery  
 FRANK J. MCGOWAN, Clinical Associate Professor of Surgery  
 WILLIAM F. NICKEL, Jr., Clinical Associate Professor of Surgery  
 HERBERT PARSONS, Clinical Associate Professor of Surgery (Neurosurgery)  
 ROBERT L. PATTERSON, Clinical Associate Professor of Surgery (Orthopedics)  
 PETER-CYRUS RIZZO, Clinical Associate Professor of Surgery (Orthopedics)  
 LEE R. STRAUB, Clinical Associate Professor of Surgery (Orthopedics)  
 LEWIS C. WAGNER, Clinical Associate Professor of Surgery (Orthopedics)  
 GEORGE E. WANTZ, Clinical Associate Professor of Surgery  
 JOHN P. WEST, Clinical Associate Professor of Surgery  
 WILLET F. WHITMORE, Jr., Clinical Associate Professor of Surgery (Urology)  
 PHILIP D. WILSON, Jr., Clinical Associate Professor of Surgery (Orthopedics)
- IRVING BARAS, Clinical Assistant Professor of Surgery (Ophthalmology)  
 STANLEY J. BEHRMAN, Clinical Assistant Professor of Surgery (Dentistry)  
 ANNE BELCHER, Clinical Assistant Professor of Surgery (Otolaryngology)  
 FRANCIS A. BENEVENTI, Clinical Assistant Professor of Surgery (Urology)  
 PAUL W. BRAUNSTEIN, Clinical Assistant Professor of Surgery  
 FELIX BRONNER, Assistant Professor of Biochemistry in Surgery (Orthopedics)  
 CHARLES L. BURSTEIN, Clinical Assistant Professor of Anesthesiology in Surgery  
 ROLLA D. CAMPBELL, Jr., Clinical Assistant Professor of Surgery (Orthopedics)  
 CARLETON M. CORNELL, Clinical Assistant Professor of Surgery  
 GEORGE N. CORNELL, Clinical Assistant Professor of Surgery  
 J. EDWIN DREW, Clinical Assistant Professor of Surgery (Urology)  
 HOWARD S. DUNBAR, Clinical Assistant Professor of Surgery (Neurosurgery)  
 HOLLON W. FARR, Clinical Assistant Professor of Surgery  
 GEORGE A. FIEDLER, Clinical Assistant Professor of Surgery (Urology)  
 MILES A. GALIN, Clinical Assistant Professor of Surgery (Ophthalmology)  
 HAROLD GENVERT, Clinical Assistant Professor of Surgery  
 HELENA GILDER, Assistant Professor of Surgery (Biochemistry)  
 EDWARD I. GOLDSMITH, Clinical Assistant Professor of Surgery  
 DAN M. GORDON, Clinical Assistant Professor of Surgery (Ophthalmology)  
 ALEXANDER HERSH, Clinical Assistant Professor of Surgery (Orthopedics)  
 JAMES M. HOLMAN, Clinical Assistant Professor of Surgery (Otolaryngology)  
 GUSTAVUS A. HUMPHREYS, Clinical Assistant Professor of Surgery (Urology)  
 D. REES JENSEN, Clinical Assistant Professor of Surgery  
 VANSEL S. JOHNSON, Clinical Assistant Professor of Surgery  
 RICHARD C. KARL, Clinical Assistant Professor of Surgery  
 JOSEPH T. KAUER, Clinical Assistant Professor of Surgery  
 EDWARD B. C. KEEFER, Clinical Assistant Professor of Surgery  
 LEONHARD KORNIGOLD, Assistant Professor of Microbiology in Surgery (Orthopedics)  
 HARVEY A. LINCOFF, Clinical Assistant Professor of Surgery (Ophthalmology)  
 BERNARD MAISEL, Clinical Assistant Professor of Surgery  
 HENRY MANNIX, Jr., Clinical Assistant Professor of Surgery  
 VICTOR MAYER, Clinical Assistant Professor of Surgery (Orthopedics)  
 VALENTINO D. B. MAZZIA, Clinical Assistant Professor of Anesthesiology in Surgery  
 JOHN H. MCGOVERN, Clinical Assistant Professor of Surgery (Urology)



FREDERICK C. McLELLAN, Clinical Assistant Professor of Surgery (Urology)  
 LAURENCE MISCALL, Clinical Assistant Professor of Surgery  
 GEORGE C. MUELLER, Clinical Assistant Professor of Surgery (Otolaryngology)  
 JAMES A. NICHOLAS, Clinical Assistant Professor of Surgery (Orthopedics)  
 S. FRANK REDO, Clinical Assistant Professor of Surgery  
 ERIC C. RICHARDSON, Clinical Assistant Professor of Surgery (Ophthalmology)  
 JOHN G. SCHMIDT, Clinical Assistant Professor of Surgery  
 ROBERT I. SCHRIER, Clinical Assistant Professor of Anesthesiology in Surgery  
 DONALD M. SHAFER, Clinical Assistant Professor of Surgery (Ophthalmology)  
 PAUL A. SKUDDER, Clinical Assistant Professor of Surgery  
 STUART S. SNYDER, Clinical Assistant Professor of Surgery (Ophthalmology)  
 BJORN THORBJARNARSON, Clinical Assistant Professor of Surgery  
 MARJORIE J. TOPKINS, Clinical Assistant Professor of Anesthesiology in Surgery  
 ALAN VAN POZNAK, Clinical Assistant Professor of Anesthesiology in Surgery

*Instructors:*

Patrick J. Barry	Pierre-Paul Gagnon	Henry Pauls
David Kip Berler	Russell O. Gee	Donald B. Reibel
George K. Carpenter, Jr.	Peter M. Guida	Peter-Cyrus Rizzo III
David M. Connelly	Stanley L. Harris	Edward Tarabulcy
Ames L. Filippone, Jr.	Raynald Lavoie	Myron P. Walzak, Jr.
Frederick W. Fuller	William S. Owen	

*Clinical Instructors:*

Jacob Applebaum	William C. Frederick	Juan Negrin
William D. Arnold	Milton Gabel	William J. Nelson
Samuel Avnet	J. Theodore Geiger	John B. Ogilvie
Howard D. Balensweig	Dicran Goulian, Jr.	Earl A. O'Neill
Leonard Biel, Jr.	Harry Grabstald	Russel H. Patterson, Jr.
Mitchell Brice II	William D. Graham	Walter L. Peretz
Michael Browne	Charles K. Hamilton	Leslie E. Rudolf
Anthony Camarda	Bruce R. Heinzen	Robert W. Schick
Thomas I. Carey	I. David Horwich	Michael Sierp
Robert L. Clarke	Suzanne A. L. Howe	James W. Smith
Edward C. Coats	Bernard Jacobs	Martin Spatz
Elizabeth F. Constantine	Russell W. Lavengood, Jr.	David S. Speer
Robert D. Deans	Jerome Lawrence	John F. Struve
John H. Doherty	Alfred E. Mamelok	Irvin S. Taylor
Wade Duley	Peter J. Marchisello	Francis M. Tiers
Sidney Eichenholtz	Mary H. Markham	Philip H. Voorhees
Herbert L. Erlanger	Joseph B. Mason	Roy C. Wiggins
Francis J. Fadden	Gerald J. Millstein	Robert B. Zufall
Edgar P. Fleischmann	George R. Monahan	

*Research Associates:*

Ronald W. Gillette	J. Paul Harvey	Allan E. Inglis
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*Research Fellows:*

Philip F. Corso	John P. Hanson	Youichi Ogino
George H. Dietz		

*Research Assistant:* Carlos J. Mestre*Assistants:*

Charles Akselrad	C. Elton Cahow, Jr.	Arnold G. Diethelm
John C. Alden	Robert L. Calhoun	Joseph P. Dineen
Phyllis A. Bagdi	Edward J. Carey, Jr.	Roger R. Ecker
Raymond G. Barile	Stanley M. K. Chung	Philip D. Freedman
Arthur R. Beil	Joel A. Clark, Jr.	Charles F. Frey
Carl M. Beiles	Julius Conn, Jr.	Thomas M. Fulcher
George V. Burkholder	Gerald T. Cook	David W. Furnas

William R. Grafe  
 Anthony G. Gristina  
 Raymond-Marie Guay  
 Maury L. Hanson  
 Kamal T. Hemady  
 Raymond G. Hicks  
 Brent J. Holleran  
 Robert H. Horne  
 Ann Huston  
 William F. Kearney, Jr.  
 Luke M. Kitahata  
 Richard B. Knapp  
 Warren W. Koontz, Jr.  
 Eugene M. Lance

Ralph J. Lewis  
 Melvin G. Lund  
 J. Ralph MacFarlane  
 Louis J. Maggio  
 J. Bruce McGovern  
 Charles K. McSherry  
 Frank G. Moody  
 Manuel M. Morillo  
 Edward C. Muecke  
 Patricia M. O'Neil  
 Renee B. O'Sullivan  
 Thomas F. Owens  
 Alan Pavel  
 John M. Pitman, Jr.

James W. Preuss  
 Frederick A. Robinson  
 George D. Rovere  
 Robert C. Runyon  
 George P. Santos  
 William J. Storz  
 Kenneth G. Swan  
 Toh-Leong Tan  
 Samuel Trock  
 Liebert S. Turner  
 John R. Woodard  
 Peter W. T. Yu  
 Philip A. Zetterstrand

## MEMORIAL HOSPITAL

HENRY T. RANDALL, Professor of Surgery  
 ALEXANDER BRUNSCHWIG, Clinical Professor of Surgery

EUGENE E. CLIFFTON, Clinical Associate Professor of Surgery  
 MICHAEL R. DEDDISH, Clinical Associate Professor of Surgery  
 JOSEPH H. FARROW, Clinical Associate Professor of Surgery  
 EDGAR L. FRAZELL, Clinical Associate Professor of Surgery  
 WILLIAM S. HOWLAND, Associate Professor of Anesthesiology in Surgery  
 GORDON McNEER, Clinical Associate Professor of Surgery  
 GEORGE T. PACK, Clinical Associate Professor of Surgery  
 WILLIAM L. WATSON, Clinical Associate Professor of Surgery  
 WILLET F. WHITMORE, Jr., Clinical Associate Professor of Surgery

ROBERT J. BOOHER, Clinical Assistant Professor of Surgery  
 C. PAUL BOYAN, Assistant Professor of Anesthesiology in Surgery  
 WILLIAM G. CAHAN, Clinical Assistant Professor of Surgery  
 WILLIAM W. DANIEL, Clinical Assistant Professor of Surgery  
 HOLLON W. FARR, Clinical Assistant Professor of Surgery  
 JOSEPH G. FORTNER, Clinical Assistant Professor of Surgery  
 NORMAN L. HIGINBOTHAM, Clinical Assistant Professor of Surgery  
 ARTHUR I. HOLLEB, Clinical Assistant Professor of Surgery  
 WALTER LAWRENCE, Jr., Clinical Assistant Professor of Surgery  
 LUCILE LOSEKE, Clinical Assistant Professor of Surgery  
 JOHN L. POOL, Clinical Assistant Professor of Surgery  
 GUY F. ROBBINS, Clinical Assistant Professor of Surgery  
 OLGA SCHWEIZER, Assistant Professor of Anesthesiology in Surgery  
 REUVEN K. SNYDERMAN, Clinical Assistant Professor of Surgery  
 MAUS W. STEARNS, Jr., Clinical Assistant Professor of Surgery  
 JEROME A. URBAN, Clinical Assistant Professor of Surgery

### Instructors:

Rita G. Jacobs  
 Ann H. Miller  
 Terence W. Murphy

Beatrice Selvin  
 Joanne R. Smith  
 Kuo Cheng Wang

### Clinical Instructors:

Lemuel Bowden  
 Richard D. Brasfield  
 Daniel Catlin  
 Donald C. G. Clark  
 James C. DiLorenzo  
 Alfred A. Fracchia  
 Kenneth C. Francis  
 Frank P. Gerold

John T. Goodner  
 Harry Grabstald  
 Charles C. Harrold, Jr.  
 Ralph E. L. Hertz  
 Suzanne A. L. Howe  
 John S. Lewis  
 John C. Lucas, Jr.

A. Randal Mackenzie  
 Charles J. McPeak  
 Theodore R. Miller  
 Oliver S. Moore  
 Elisabeth P. Pickett  
 Stuart Quan  
 H. Randall Tollefsen

## GENERAL SURGERY

*SECOND YEAR* . . . Instruction begins in the third trimester of the second year. Two sessions of two hours each are provided in general surgical problems as part of the course in physical diagnosis. Instruction is provided, also, in ophthalmologic, orthopedic and urologic examination. Tutors are assigned to groups of four students for supervision of history taking and physical examination.

Elective courses are provided in surgery for second year students in the third trimester. Opportunities to participate in experimental procedures in the laboratories for surgical research are available and are supervised by members of the teaching staff.

*THIRD YEAR* . . . In the third year the entire class attends a clinic, conducted by the head of the department or his immediate associates, at 8:30 every Wednesday morning. Usually two patients are shown as examples of one clinical entity. Three students are selected at the beginning of the hour to participate in the discussion as it is directed by the instructor. During the school year a total of thirty-three of these clinics is held. Those subjects are presented that lend themselves to enunciating general problems and principles of surgical therapy.

The third year class is divided into three sections. One section is assigned each term to surgery. In this period of twelve weeks the students are assigned to the clinics in the out-patient department of general surgery and the surgical specialties. Here they gain a broad experience with patients who are considered for surgical therapy. In general surgery they work in the diagnostic clinic, where they are assigned new patients, taking a full history and doing a complete physical examination. Each case is presented to an attending surgical instructor; the differential diagnosis, diagnostic procedures, and therapy are discussed. These patients are seen on return visits by the same student in order that the results of diagnostic procedures and clinical course may be determined first-hand and definitive therapy decided upon in consultation with a staff member.

In the minor surgical clinic of General Surgery, as much responsibility as possible is given to the student in the treatment of infections, management and dressing of wounds, and the examination of patients who have had major surgical procedures in the hospital. During the term the students are assigned in rotation to the specialty clinics of orthopedics, urology, otolaryngology, ophthalmology, and fractures, where they receive instruction in special methods of diagnosis and have opportunity to observe therapy among the ambulatory patients.

A course in operative surgery on animals occupies one morning each week. The section is divided into operating teams of four: a surgeon, an anesthetist, a first assistant, and a scrub nurse. The students rotate positions for the performance of twelve selected surgical procedures. The animals (dogs) are the patients and are accorded pre- and postoperative care by the students simulating that of patients in the hospital. The course is designed to acquaint the students with what surgical operations entail and to emphasize the fundamental principles of anesthesia, sepsis, hemostasis, and wound healing.

Four times weekly, lectures and demonstrations are presented to the group, dealing with clinical problems encountered in the activities of the out-patient department.

The program of the third year is based upon the concept that general surgery, in contradistinction to general medicine, is in a sense a specialty. Patients requiring surgical therapy must be selected with consideration of other forms of

therapy. It is our belief that the medical student needs, early in his training, to become aware of this. It is important that we have a feeling of the background from which surgical patients come. The widest possible experience that we can provide a student with which to attain such an objective is to have him rotate through the general surgical and specialty clinics of the out-patient department. Not only does this provide a background for the source of patients, but also it affords an opportunity for him to see what surgical therapy may accomplish, and to see its associated complications that are to be observed in the minor surgical dressing clinics where patients return following surgery that has been performed within the hospital.

It is the intent that the student during his third year will learn the scope of surgery in therapy and diagnosis. At the same time he should become aware of the risks and complications commonly associated with it. If these two objectives are attained, then the student has a sound basis for selecting surgical therapy where indicated. This may be the beginning of the sense of discrimination in the selection of proper treatment so important in the aramentarium of a physician, regardless of his special interest, be it in general practice or a specialty.

**FOURTH YEAR . . .** In the fourth year the medical student becomes a clinical clerk on the surgical pavilions. The class is divided into six equal groups, each group serving for a term of approximately eight weeks, during which time they have no other responsibilities than those in surgery. As a clinical clerk the student participates in the management of patients by obtaining a complete history and performing a physical examination and laboratory determinations on patients assigned to him. He has an opportunity to participate in the differential diagnosis and preoperative preparation. When the patient is operated upon, the student may act as a member of the operating team. He has an opportunity to see at first-hand the pathological condition for which the operation was undertaken. He has specific responsibilities in the postoperative care of the patient. Thus the fourth year student is, in a sense, an intern under supervision. He attends the rounds held by the resident staff and members of the senior staff:

**PEDIATRIC SURGERY.** The students are assigned in rotation to the pediatric surgical unit. History taking and physical examination is supplemented by participation in operations. Ward rounds are conducted weekly for the students by the attending staff.

**FRACTURE CONFERENCE.** In the late afternoon on Tuesday a conference conducted by the senior and resident staff, reviewing the fracture patients, is attended and participated in by the surgical clinical clerks.

**GRAND ROUNDS.** From 9 to 10:30 on Saturday mornings clinical clerks attend grand rounds together with the entire resident and senior staff of the department. The problems presented are selected for their teaching value from the surgical specialties and general surgery.

**EMERGENCY SERVICE.** The clinical clerks on the surgical pavilions are rotated in pairs to the emergency service where they are on call with the resident staff. This is a very active unit of the hospital during the hours when the out-patient clinics are closed—from 5 p.m. to 9 a.m., Monday through Friday, and over the weekend. The wide range of conditions requiring emergency or urgent measures seen by the clinical clerk is a valuable experience.

**PATHOLOGY CONFERENCE.** Once a week a two-hour conference is devoted to sur-



gical pathology. Surgical specimens removed in the operating room are reviewed, and also microscopic slides are studied.

**NOON CLINICAL CONFERENCE.** Five times a week a clinical conference is held at the bedside. Diagnosis, pre- and post-operative care, and complications in general surgery and the specialties are discussed.

**SEMINAR.** On Saturdays from 10:30 to 12:30 throughout the term, seminars are held under the supervision of a senior staff member. In these sessions the students present new advancements of surgery. It is the objective of these exercises to place in the hands of the medical student a means of evaluating a new development in surgery, so that as a physician later he will be able to better assess in a methodical and critical manner new proposals. Thus he may provide proper guidance for his patients.

By constant and uninterrupted association with "his" patients and those who are caring for them, the student gains direct experience with the normal course following major surgical procedures and with complications as they arise. The value of team work in medical care is vividly apparent to the fourth year student during his clinical clerkship on surgery.

## ELECTIVE COURSES

**ANESTHESIOLOGY** . . . Maximum of two students. Four or eight weeks throughout the year. Daily seminars in the theory of anesthesia are combined with practical experience in the administration of anesthesia. The student may participate under supervision in the operating room in the administration of anesthesia.

**SURGICAL RESEARCH LABORATORY** . . . Maximum of two students during each term. The students participate in the experimental study of peptic ulcer, cardiovascular surgery, liver disease, and transplantation of tissues. The participation in experimental operative procedures is stressed. Experiments in surgical physiology may be done in association with members of the surgical staff. Students may also take part in the studies of surgical metabolism and the response of surgical patients to operation. A weekly surgical research meeting is held.

**SURGICAL PATHOLOGY** . . . Maximum of two students for four or eight weeks throughout the year. A discussion is conducted each morning when the slides are read and the histologic diagnosis is made. An opportunity is provided to assist in the gross examination of the surgical specimens each afternoon. Instruction is given in the technique of frozen sections.

**STUDENT CLERKSHIP** . . . Individual arrangement may be made to participate in the surgical specialties as substitute interns for four to eight weeks in urology, plastic surgery, neurosurgery, and fractures. Each service has daily teaching rounds and weekly seminars. Experience in patient management and in the operating room is stressed.

**SURGICAL PHYSIOLOGY** . . . Maximum of four students. Eight weeks' course, throughout the year. Complete study of electrolyte balance. Students participate in clinical patient care under the supervision of attending physicians. Supplemented by lectures and group discussions.

**CARDIOVASCULAR SURGERY** . . . An opportunity is available for one student each period to participate in laboratory and clinical use of the extracorporeal pump-oxygenator.



## SPECIAL STUDENTS

*ALL STUDENTS not registered in Cornell University Graduate School and not registered for the M.D. degree are SPECIAL STUDENTS.*

Such students are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree.

Special students are admitted *only by the consent of the head of the department*, must be registered in the Administration Office of the Medical College, and must pay their fees at the Business Office before being admitted to lectures or laboratory exercises.

## FEES

Matriculation Fee .....	\$10
Administration Fee .....	\$ 5

Tuition fees vary depending upon the type of work taken. A breakage fee may be required.

# TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY:					
Gross Anatomy .....	264				
Microscopic Anatomy .....	165				
Neuroanatomy .....	88				
Developmental Anatomy and Genetics .....	55				572
BIOCHEMISTRY .....	220				220
MICROBIOLOGY & IMMUNOLOGY.....		154			154
PHYSIOLOGY .....	231				231
RADIOBIOLOGY .....	11				11
PATHOLOGY .....		297			297
PHARMACOLOGY .....		154		11	165
PHYSICAL DIAGNOSIS*		187			187
MEDICINE:					
Clinical Pathology .....		77			
Specialties, Clerkship, & OPD....			352	325	
Lectures .....			33		787
MEDICAL COMPREHENSIVE CARE†.....				300	300
SURGERY:					
Ophthalmology .....					
Introductory Surgery .....					
Specialties, Clerkship, & OPD....			352	285	
Lectures .....			33		670
OBSTETRICS AND GYNECOLOGY:					
Practical Instruction .....			77	285	
Lectures .....			66		428
PEDIATRICS:					
Practical Instruction .....			154	86	
Lectures .....			33		
Contagious Diseases .....			18		291
PSYCHIATRY:					
Personality Development .....	33				
Psychiatry .....		33	33	66	
Lectures .....				33	198
PUBLIC HEALTH:					
Parasitology .....		33			
Field and Section .....		12	36	14	
Lectures .....		11	33		139
RADIOLOGY .....			30	20	50
ELECTIVE HOURS .....		165		285	450
TOTALS .....	1067	1123	1250	1710	5149

\* Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.

† The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 300 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

## FIRST YEAR SCHEDULE

1961-1962

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Microscopic Anatomy	Gross Anatomy	Developmental Anatomy and Genetics	Gross Anatomy	Microscopic Anatomy	Microscopic Anatomy
10-11						
11-12						
12-1						
1-2	Biochemistry	Dev. Anat. & Genetics	Free	Biochemistry	Biochemistry	
2-3	Microscopic Anatomy	Gross Anatomy		Psychiatry	Microscopic Anatomy	
3-4				Free		
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Gross Anatomy	Physiology	Physiology	Physiology	Gross Anatomy	Physiology
10-11		Gross Anatomy	Neuroanatomy	Neuroanatomy		Psychiatry
11-12						
12-1						
1-2	Biochemistry		Free	Biochemistry	Biochemistry	
2-3	Neuroanatomy	Gross Anatomy		Psychiatry	Gross Anatomy	
3-4				Free		
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11						Radio-biology *
11-12						
12-1						
1-2						
2-3	Biochemistry	Physiology	Free	Physiology	Physiology	
3-4						
4-5					Free	

\* Multidepartmental course.

## SECOND YEAR SCHEDULE

1961-1962

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Pathology	Pharmacology	Pathology	Pharmacology	Pharmacology
10-11			Microbiology			Microbiology
11-12						
12-1						
1-2	Microbiology	Microbiology	Free	Microbiology	Microbiology	
2-3						
3-4						
4-5		Pharmacology				

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pb. Hl.†
10-11			Pharmacology			
11-12						
12-1						
1-2	Pb. Hl.	Clinical Pathology	Free	Parasitology	Pharmacology	
2-3						
3-4					Clinical Pathology	
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neurology (9:00-12:00) Group A	Neurology (9:00-12:00) Group B	Neurology (9:00-12:00) Group C	Neurology (9:00-12:00) Group D	Psychiatry	Elective
10-11						
11-12						
12-1						
1-2	Physical Diagnosis *	Physical Diagnosis *	Physical Diagnosis *	Elective	Neurology Lecture	
2-3						
3-4						
4-5						

\* Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.

† For four weeks only, beginning after Christmas recess.

## THIRD YEAR SCHEDULE

1961-1962

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Group A: Medicine (1); Ob.-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3). Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb. Hl. (3). Group C: Ob.-Gyn., Ped., Psych., Pb. Hl. (1); Surgery (2); Medicine (3).					
1-2						
2-3			Free			
3-4						
4-5	C.P.C.					

## DETAILED SCHEDULE—HALF TERM (5½ WEEKS)

## PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Pediatrics				
1-2						
2-3	Pediatrics	Pediatrics	Free	Pediatrics		
3-4						
4-5	C.P.C.					

## DETAILED SCHEDULE—HALF TERM (5½ WEEKS)

OBSTETRICS AND GYNECOLOGY, PSYCHIATRY,  
PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8:30-9:30	Ob.-Gyn.	Pediatrics	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
9:30-1:00	Ob.-Gyn.	Ob.-Gyn.	Ped.	Ob.-Gyn.	Pb. Hl.	
1-2						
2-3		Psychiatry	Free	Psychiatry	Pb. Hl.	
3-4						
4-5	C.P.C.					



## FOURTH YEAR SCHEDULE

TWO SEMESTERS (SIX DIVISIONS 22½ WEEKS EACH  
JUNE 19 to MAY 25)

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	Section I	1st Semester Medical Comprehensive Care			2nd Semester { A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3). D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3). }	
					Medical Comprehensive Care	
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE  
MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	All Groups (9:00-10:00) Lecture (10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Medicine Pediatrics	All Groups Special Conference
II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S		Sp'ty Elec. Seminar	
Afternoon:						
I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	All Groups (2:00-3:00) Psychiatry (3:00-4:00) Com. Care Conf (4:00-5:00) Special Lecture	Seminar Sp'ty Elec.	{ Seminar Pediatrics Medicine Psychiatry (4:00-5:00) All Groups Pediatric Grand Rounds	
II { C D	Psychiatry Medicine	Medicine Psychiatry		Psychiatry Medicine		

# **SLOAN-KETTERING DIVISION, GRADUATE SCHOOL OF MEDICAL SCIENCES**

## **CORNELL UNIVERSITY MEDICAL COLLEGE**

BY AGREEMENT dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of the New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

Under this agreement, each party continues under control and management of its respective Board of Trustees or Managers, but there is established a Coordinating Board of eight members, of which two are chosen by each of the parties to this agreement. This Board acts as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and makes recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

### *Representatives of Memorial Hospital*

Reginald G. Coombe

J. Albert Woods

### *Representatives of Sloan-Kettering Institute*

Warren Weaver

Frank L. Horsfall, Jr.

### *Representatives of Cornell University*

Walker L. Cisler, Chairman of the Executive Committee of the Board of Trustees  
Deane W. Malott, President of the University

### *Representatives of the Society of The New York Hospital*

Francis Kernan

Frederick K. Trask

## **EDUCATIONAL PLAN OF INSTRUCTION**

The facilities of the Sloan-Kettering Division consist of a thirteen-story laboratory unit at 410 East 68th Street, New York City, the Polak Building at 112 Pacific Street, Brooklyn, and the Sloan-Kettering Institute Walter Laboratory at 145 Boston Post Road, Rye, New York. Collectively these facilities represent

the Sloan-Kettering Institute for Cancer Research. The New York City unit is in direct connection with two hospitals; Memorial Hospital, a voluntary institution of 280 beds, and the James Ewing Hospital, a unit of the New York City Hospital system with 270 beds. The Strang Clinic, a building at 419 East 67th Street, New York City, houses the work in preventive medicine in cancer.

The training offered in this division is primarily for advanced students, with the Master's degree or equivalent, working toward the Ph.D. degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields.

## BIOCHEMISTRY

AARON BENDICH, Professor of Biochemistry  
 OSCAR BODANSKY, Professor of Biochemistry  
 GEORGE B. BROWN, Professor of Biochemistry  
 LIEBE F. CAVALIERI, Professor of Biochemistry  
 THOMAS F. GALLAGHER, Professor of Biochemistry  
 C. CHESTER STOCK, Professor of Biochemistry

M. EARL BALIS, Associate Professor of Biochemistry  
 RALPH K. BARCLAY, Associate Professor of Biochemistry  
 JACK J. FOX, Associate Professor of Biochemistry  
 DAVID K. FUKUSHIMA, Associate Professor of Biochemistry  
 MARY L. PETERMANN, Associate Professor of Biochemistry

ELLEN BORENFREUND, Assistant Professor of Biochemistry  
 H. LEON BRADLOW, Assistant Professor of Biochemistry  
 PAUL J. FODOR, Assistant Professor of Biochemistry  
 GIULIO C. PERRI, Assistant Professor of Biochemistry  
 ROBERT S. ROSENFELD, Assistant Professor of Biochemistry  
 JOSEPHINE S. SALSER, Assistant Professor of Biochemistry  
 MORTON K. SCHWARTZ, Assistant Professor of Biochemistry  
 MAURICE E. SHILS, Assistant Professor of Biochemistry  
 VLADIMIR P. SKIPSKI, Assistant Professor of Biochemistry  
 HELEN Q. WOODARD, Assistant Professor of Biochemistry

### *Research Associates:*

Charles C. Bigelow  
 Jack Fishman  
 Saul Green

Jerome S. Nisselbaum  
 Ivan L. Salamon

Intensive study is offered in the fields of enzymology, immunochemistry, chemistry and metabolism of proteins, and nucleoproteins, and chemistry and metabolism of steroids.

Undergraduate prerequisites include courses in inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, mathematics (through calculus). If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Students electing biochemistry as a minor subject are expected to complete the regular medical course in biochemistry or its equivalent, as a minimum requirement.

## BIOLOGY

ALBERT J. DALTON, Visiting Professor of Biology  
 FRANK L. HORSFALL, JR., Professor of Microbiology  
 FREDERICK S. PHILIPS, Professor of Pharmacology  
 GEORGE W. WOOLLEY, Professor of Biology

DONALD A. CLARKE, Associate Professor of Pharmacology  
 A. R. T. DENUES, Associate Professor of Biology  
 CHARLOTTE FRIEND, Associate Professor of Microbiology  
 LEONARD D. HAMILTON, Associate Professor of Biology  
 DORRIS J. HUTCHISON, Associate Professor of Microbiology  
 JOHN A. JACQUEZ, Associate Professor of Biology  
 WILLIAM L. MONEY, Associate Professor of Biology  
 ALICE E. MOORE, Associate Professor of Biology  
 H. CHRISTINE REILLY, Associate Professor of Microbiology  
 MARJORIE B. ZUCKER, Associate Professor of Physiology

JOHN J. HARRIS, Assistant Professor of Biology  
 PHILIP C. MERKER, Assistant Professor of Biology  
 WILBUR F. NOYES, Assistant Professor of Biology  
 MORRIS N. TELLER, Assistant Professor of Biology

### *Research Associates:*

James G. Cappuccino  
 Louis Kaplan  
 Lloyd J. Old

Herbert S. Schwartz  
 Francis M. Sirotnak

Students are directed particularly toward the factors which initiate, control, and modify the growth of normal and neoplastic tissues. Following this orientation, study is offered in pharmacology, experimental cancer chemotherapy, microbiology, endocrinology, genetics, and virology. Brief specialized courses offered include Chemotherapy of Cancer (for physicians and research workers), two weeks in October; Heterologous Transplantation of Human Tumors (for senior investigators), first week of March and of October.

Undergraduate prerequisites include courses in organic chemistry, inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, mathematics (through calculus), anatomy, general biology or general zoology or general botany, general microbiology, pathogenic bacteriology, physiology, cytology, genetics. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Prerequisite graduate courses will be determined for each individual on the basis of his particular area of interest.

## BIOPHYSICS

JOHN S. LAUGHLIN, Professor of Biophysics

THEODORE A. HALL, Associate Professor of Biophysics

NATHANIEL F. BARR, Assistant Professor of Biophysics

EDWARD R. EPP, Assistant Professor of Biophysics

IRA PULLMAN, Assistant Professor of Biophysics

*Research Associates:*

Karin R. Corey  
 Nicholas Delihias  
 Peter J. Kenny

Marvin A. Rich  
 Salvator J. Vacirca  
 James G. Van Dyke

Graduate work is offered by this department leading to the degrees of Master of Science (in the field of radiation physics) and Doctor of Philosophy (in the field of biophysics).

The course of study leading to the degree of Master of Science in radiation physics trains physicists in the various aspects of production, measurement, and application of radiations. X-ray and electron machines are available with energies ranging from 5 Kev to 25 Mev. Experience is also provided in the handling and use of many different radio-isotopes. The magnitude and variety of facilities and unique radiation projects at the Sloan-Kettering Institute and the Memorial Hospital are particularly pertinent for training in this area. An important feature is the co-existence of fundamental research and practical and clinical applications in the same Center.

Some of the research projects in biophysics which are pertinent to the Ph.D. program include studies of metabolism of various isotope-labeled compounds in man; the measurement of radiation by calorimetric, radiation-chemical, ionization, or crystal detectors; the experimental measurement of total X-ray, gamma-ray, and electron spectra; the determination of free radical activity in compounds of biological importance by means of electron spin resonance; the determination of trace elements in biologically important compounds; metabolism of biologically important compounds in tissue cultures of human tumor cells.

Undergraduate prerequisites include courses in general physics, electricity and magnetism, mechanics, mathematics (through calculus), and thermodynamics, and acceptable laboratory experience in these fields. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

## **PATHOLOGY**

GILBERT DALLDORF, Professor of Pathology  
 FRANK W. FOOTE, Professor of Pathology

JØRGEN E. FOGH, Associate Professor of Pathology  
 LEOPOLD G. KOSS, Associate Professor of Pathology  
 LOUIS G. ORTEGA, Associate Professor of Pathology  
 STEPHEN S. STERNBERG, Associate Professor of Pathology  
 HELENE W. TOOLAN, Associate Professor of Pathology

JOHN W. BERG, Assistant Professor of Pathology

*Research Associates:* Robert V. P. Hutter, Frederick H. Shipkey

Special facilities are available for investigation in quantitative cytology and cellular pathology by newer optical methods, cytophysical methods including radio-autography, electron microscopy, ultraviolet and fluorescent microscopy. A regular part of the functions of this department include examinations of the pathologic effects of potential cancer chemo-therapeutic agents in laboratory animals.



Study in this department is limited to persons who hold a medical degree and whose experience includes two years of general pathology.

## PREVENTIVE MEDICINE

EMERSON DAY, Professor of Preventive Medicine

ERNEST L. WYNDER, Associate Professor of Preventive Medicine

GENEVIEVE M. BADER, Assistant Professor of Preventive Medicine

RICHARD H. OSBORNE, Assistant Professor of Preventive Medicine

LOUIS VENET, Assistant Professor of Preventive Medicine

### *Research Associates:*

Frances V. DeGeorge

Elaine G. Diacumakos

Dietrich Hoffmann

Thomas S. Zimmer

Opportunity for direct experience in methods of cancer detection is offered in the Strang Clinic by arrangement with the department head. Training in cytologic screening and diagnosis is available by special arrangement with the director of the Strang Laboratory of Cytology.

The department offers opportunities for research in early cancer and pre-cancer, cytology, epidemiology of cancer, and biological testing and chemical analyses of environmental agents. Special studies in these fields can be arranged with the appropriate members of the department.

Prerequisites are a degree in medicine or advanced training and experience in the field concerned.

A three- to five-day course, for general practitioners, in the diagnosis and management of early cancer is offered one or more times each year. The dates of each course are announced in hospitals and in medical journals sufficiently in advance to allow for scheduling and preregistration.

# INTERNSHIP APPOINTMENTS

## CLASS OF 1961

Abello, Emilio G., Jr.	Med.	Kings County Hospital, Brooklyn, N.Y.
Alexander, H. Clay	Surg.	Presbyterian Hospital, New York, N.Y.
Arnson, Alan N.	Med.	Vanderbilt University Hospital, Nashville, Tenn.
Becker, Carl G.	Path.	The New York Hospital, New York, N.Y.
Bennett, John A.	Mx-Med.	Roosevelt Hospital, New York, N.Y.
Betancourt, Sergio	Rot.	Royal Victoria Hospital, Montreal, Canada
Bockoven, John B.	Med.	University Hospitals, Columbus, Ohio
Boland, Arthur L., Jr.	Surg.	The New York Hospital, New York, N.Y.
Boroian, Theodore V.	Rot.	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Brown, James W.	Rot.	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Cahill, Kevin M.	Med.	St. Vincent's Hospital, New York, N.Y.
Chapman, Richard D.	Surg.	The New York Hospital, New York, N.Y.
Colker, Joel L.	Med.	The New York Hospital, New York, N.Y.
Dailey, Robert H.	Med.	New England Center Hospitals, Boston, Mass.
Dailey, Thomas H.	Mx-Surg.	Roosevelt Hospital, New York, N.Y.
Dimijian, Gregory G.	Rot.	Virginia Mason Hospital, Seattle, Wash.
Doyle, Richard L.	Med.	Vanderbilt University Hospital, Nashville, Tenn.
Drake, William K.	Rot.	Henry Ford Hospital, Detroit, Mich.
Drennan, James C., Jr.	Surg.	University Hospitals, Cleveland, Ohio
Epstein, Stephen E.	Med.	The New York Hospital, New York, N.Y.
Fear, Robert E.	Med.	Bellevue Hospital, 2nd Div., New York, N.Y.
Fink, David L.	Mx-Surg.	St. Luke's Hospital, New York, N.Y.
Flynn, Charles L.	Mx-Med.	Georgetown University Hospital, Washington, D.C.
Fredrickson, Donald T.	Rot.	Hartford Hospital, Hartford, Conn.
Frierson, John G.	Med.	Bellevue Hospital, 2nd Div., New York, N.Y.
Gault, James H.	Med.	The New York Hospital, New York, N.Y.
Glendinning, Arnold F.	Surg.	Bellevue Hospital, 2nd Div., New York, N.Y.
Goldin, Howard	Med.	The New York Hospital, New York, N.Y.
Hanchett, James E.	Med.	Jefferson Davis Hospital, Houston, Texas
Hanchett, Jeanne M.	Ped.	Jefferson Davis Hospital, Houston, Texas
Hastings, Richard J.	Mx-Surg.	Roosevelt Hospital, New York, N.Y.
Hattler, Brack G., Jr.	Surg.	Duke Hospital, Durham, N. C.
Hedberg, Carl A.	Med.	The New York Hospital, New York, N.Y.
Heeg, Michael M.	Surg.	St. Vincent's Hospital, New York, N.Y.
Hughes, John H.	Mx-Med.	St. Luke's Hospital, New York, N.Y.
Hurley, James R.	Med.	The New York Hospital, New York, N.Y.
Johnson, O. Adrian	Surg.	Herbert C. Moffitt Hospitals, San Francisco, Calif.
Jones, Charles B., Jr.	Rot.	Walter Reed General Hospital, Washington, D.C.
Keller, Robert B.	Rot.	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Kerr, Robert M.	Mx-Surg.	St. Luke's Hospital, New York, N.Y.
Krause, John L., Jr.	Surg.	Strong Memorial Hospital, Rochester, N.Y.
Kuiper, John J.	Med.	Strong Memorial Hospital, Rochester, N.Y.
Lenio, Paul T.	Rot.	Walter Reed General Hospital, Washington, D.C.
Lindberg, Robert F.	Rot.	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Malin, Barry T.	Surg.	Strong Memorial Hospital, Rochester, N.Y.
Malloch, Christopher	Rot.	San Francisco Hospital, San Francisco, Calif.
Martin, Robert S.	Med.	Bellevue Hospital, 2nd Div., New York, N.Y.
McKaig, Brady P.	Mx-Med.	D.C. General, IV Div., Washington, D.C.
McKneally, Martin F.	Med.	The New York Hospital, New York, N.Y.
McLean, Donald C.	Ped.	The New York Hospital, New York, N.Y.
Middleton, Mary R.	Rot.	Chicago Wesley Memorial, Chicago, Ill.
Milhorat, Thomas H.	Surg.	The New York Hospital, New York, N.Y.

Morgan, Richard H.	Med.	Vanderbilt University Hospital, Nashville, Tenn.
Muggia, Franco M.	Med.	Bellevue Hospital, 2nd Div., New York, N.Y.
New, Peter S.	Rot.	King County Hospital, Seattle, Wash.
Newmeyer, William L.	Mx-Surg.	Roosevelt Hospital, New York, N.Y.
O'Connell, Daniel J.	Rot.	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Peloso, Ole A.	Rot.	San Francisco Hospital, San Francisco, Calif.
Porter, Asa S.	Rot.	U. of Oklahoma Hospital, Oklahoma City, Okla.
Rodman, Charles A. II	Surg.	Massachusetts General Hospital, Boston, Mass.
Rosenthal, Erik A.	Mx-Surg.	St. Luke's Hospital, New York, N.Y.
Ryan, James W.	Rot.	Montreal General Hospital, Montreal, Canada
Rybka, F. James	Surg.	Boston City Hospital, 3rd Surg., Boston, Mass.
Sams, Joseph T.	Med.	University Hospitals, Columbus, Ohio
Schiebler, John C.	Surg.	The New York Hospital, New York, N.Y.
Sheehan, Richard G.	Med.	New England Center Hospitals, Boston, Mass.
Soloway, Roger D.	Med.	Bellevue Hospital, 2nd Div., New York, N.Y.
Standefér, James E.	Rot.	Mary Fletcher Hospital, Burlington, Vt.
Taylor, Alson P., Jr.	Med.	Jackson Memorial Hospital, Miami, Fla.
Weiss, Richard S.	Med.	U. of Washington Hospitals, Seattle, Wash.
Winn, William R.	Rot.	Veterans Administration Hospital, Los Angeles, Calif.
Wolfe, Martin S.	Med.	George Washington University Hospital, Washington, D.C.
Zitzmann, Eric K.	Surg.	The New York Hospital, New York, N.Y.
Zweifach, Philip H.	Rot.	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Enck, Marylyn E.		Clinical Fellowship in Pediatrics, The New York Hospital
Fischman, Donald A.		Research Fellowship in Anatomy, CUMC

SYMBOLS: Rot—Rotating; Ped—Pediatrics; Med—Medicine; Path—Pathology; Surg—Surgery;  
Mx—Mixed.

# REGISTER OF STUDENTS, 1961-1962

## FOURTH YEAR

Donald Walter Abel, A.B. 1959, Dartmouth College	Mineola, N.Y.
A. Mason Ahearn, A.B. 1958, University of Rochester	Westfield, N.J.
John David Bagdade, A.B. 1958, Harvard College	Farmington, Mich.
John Vanderbeck Banta, A.B. 1958, Wesleyan University	Ridgewood, N.J.
Bryant Barnard, A.B. 1958, Dartmouth College	Montclair, N.J.
Harry Michael Beirne, B.E.E. 1958, Manhattan College	Montclair, N.J.
Blaine Alan Braniff, A.B. 1958, Swarthmore College	Wilmington, Del.
Robert Walter Brennan, A.B. 1958, Cornell University	Staten Is., N.Y.
Paula Wolfe Brill, A.B. 1958, Brooklyn College	Brooklyn, N.Y.
Frank Howard Brunstetter, B.S. 1953, Cornell University;	
B.S. 1958, Columbia University	New York, N.Y.
Alfred Sands Buck, A.B. 1958, Haverford College	Brooklyn, N.Y.
Edward Seabury Carmick, Jr., A.B. 1958, Stanford University	Los Altos, Calif.
Peter Guydon Carnesale, M.S. 1958, University of Wisconsin	Wood, Wis.
Kenneth Joseph Cestone, A.B. 1959, Cornell University	Little Falls, N.J.
William Galbraith Chaffee, Jr., A.B. 1955, Princeton University	Oakland, Calif.
John Kipp Charlton, A.B. 1958, Amherst College	Hastings, Nebr.
Joseph David Croft, Jr., A.B. 1958, Princeton University	Evanston, Ill.
Richard Arthur Davidson, B.S. 1958, Queens College	Forest Hills, N.Y.
Edwin Elmer Dean, A.B. 1956, Cornell University	Bryam, Conn.
Walter Casmir Degnan, B.S. 1958, Notre Dame University	Scarsdale, N.Y.
Arthur Victor Edelstein, A.B. 1958, Cornell University	Rochester, N.Y.
Edwin Ettinger, A.B. 1955, Columbia College	Yonkers, N.Y.
Willard B'layney Fessenden, Jr., A.B. 1958, Yale University	Cincinnati, O.
Sidney James Fillmore, B.S. 1959, Utah State University	Phoenix, Arizona
Edward James Fredericks, B.S. 1958, Allegheny College	Oak Ridge, N.J.
Howard Marshall Gilford, B.S. 1958, University of Michigan	Shaker Heights, O.
John Howard Gundy, A.B. 1958, Dartmouth College	Rye, N.Y.
Robert Kenneth Gustafson, A.B. 1953, Claremont Men's College	Pasadena, Calif.
Jack Douglas Halpin, A.B. 1958, Carleton College	Malibu, Calif.
Daphne Kean Hare, A.B. 1958, Barnard College	Houston, Texas
William Cushman Harvey, B.A. 1957, University of Maine	Caribou, Maine
William Russell Hazzard, A.B. 1958, Cornell University	LeMoyne, Pa.
David Lynn Heiges, A.B. 1958, Stanford University	San Francisco, Calif.
Allan Spencer Hild, A.B. 1958, Amherst College	Baldwin, N.Y.
Julian Theodore Hoff, A.B. 1958, Stanford University	Menlo Park, Calif.
C. William Jansing, A.B. 1958, Princeton University	Louisville, Ky.
Muriel King, A.B. 1958, Cornell University	Eastchester, N.Y.
Stuart Alan Knott, A.B. 1958, Princeton University	New York, N.Y.
Gary Korenman, A.B. 1959, Dartmouth College	Brooklyn, N.Y.
Edward Carl Lauber, Jr., B.S. 1958, Wheaton College	Rockville Center, N.Y.
Garwood Emerson Leckband, B.A. 1957, Carleton College	Arlington Heights, Ill.
Andrew Harrison Littell, Jr., A.B. 1957, New York University	New York, N.Y.
Luther Burton Lowe, Jr., B.S. 1958, Roanoke College	Roanoke, Va.
Robert Appleby MacLean, B.S. 1956, Yale University	New Haven, Conn.
Gerald Lee Mandell, A.B. 1958, Cornell University	New York, N.Y.
George Herbert McCracken, Jr., A.B. 1958, Williams College	Scarsdale, N.Y.
Robert Bruce McFadden, A.B. 1958, Brown University	Mt. Vernon, N.Y.
Warren Bailey Miller, A.B. 1957, Princeton University	New York, N.Y.
Richard Martin Morrison, A.B. 1958, Yale University	Cleveland, O.
Richard Allen Niles, A.B. 1958, Cornell University	Bainbridge, N.Y.
Laurance Beckwith Nilsen, A.B. 1958, Williams College	Delray Beach, Fla.

- Dennis Deveraux O'Keefe, A.B. 1958, Wittenberg University  
 George A. Omura, A.B. 1958, Columbia College  
 S. Kirby Orme, A.B. 1959, University of Utah  
 Joseph Vincent Raziano, A.B. 1958, Cornell University  
 Rachelle Naomi Remen, B.A. 1958, Cornell University  
 John Wincell Riley, III, A.B. 1958, Bowdoin College  
 Christos Romas, B.S. 1958, Yale University  
 Anthony Fred Saidy, B.S. 1958, Fordham College  
 Richard Marshall Sallick, A.B. 1958, Harvard University  
 William Schaffner, II, B.S. 1957, Yale University  
 William Tripler Seed, A.B. 1954, Williams College  
 Richard Craig Severance, A.B. 1958, Cornell University  
 Barry David Smith, A.B. 1959, Dartmouth College  
 Thomas Harry Snider, B.S. 1951, Miami University  
 Richard Perry Stadter, A.B. 1954, Princeton University  
 Paul David Stolley, B.A. 1957, Lafayette College  
 Ronald Alan Stroth, A.B. 1958, Colgate University  
 William Tennant Stubenbord, A.B. 1958, Yale University  
 Zebulon Charles Taintor, A.B. 1958, Oberlin College  
 Dale Leonard Taylor, A.B. 1959, Albion College  
 Barry Richard Tharp, Cornell University  
 Nicholas Lechmere Tilney, A.B. 1958, Harvard College  
 Joel Umlas, B.S. 1958, New York University  
 Barth Vander Els, A.B. 1958, University of Rochester  
 Donald Anthony Vichick, A.B. 1958, Cornell University  
 John Charles Warburton, B.S. 1958, Georgetown University  
 Barbara Ruth Weisinger, A.B. 1958, Cornell University  
 Carl Brook Weiss, B.S. 1958, Pennsylvania State University  
 Sara Deibert Winter, B.A. 1956, Kansas University  
 Ceciley Youmans, A.B. 1948, Sweet Briar College  
 Frederic Darwin Zahn, B.S. 1958, Denison University  
 Michael Grant Zeigler, B.S. 1956, U.S. Military Academy  
 Richard Charles Zug, A.B. 1958, Stanford University
- Westerville, O.  
 New York, N.Y.  
 Squirrel, Idaho  
 Brooklyn, N.Y.  
 Whitestone, N.Y.  
 New York, N.Y.  
 Endicott, N.Y.  
 Douglaston, N.Y.  
 New York, N.Y.  
 Oradell, N.J.  
 New York, N.Y.  
 San Antonio, Texas  
 Spring Valley, N.Y.  
 Akron, Ohio  
 Rocky River, Ohio  
 Pawling, N.Y.  
 Jamestown, N.Y.  
 New York, N.Y.  
 Port Jefferson Station, N.Y.  
 Jackson, Mich.  
 Auburn, N.Y.  
 Far Hills, N.J.  
 Bronx, N.Y.  
 Waldwick, N.J.  
 Euclid, Ohio  
 Paterson, N.J.  
 Brooklyn, N.Y.  
 Brodheads ville, Pa.  
 Marysville, Kansas  
 Bozman, Md.  
 Solon, Ohio  
 Fairborn, Ohio  
 Merced, Calif.

### THIRD YEAR

- Gerald Alfred Anderson, B.S. 1959, University of Wyoming  
 Arthur John Atkinson, Jr., A.B. 1959, Harvard College  
 Terrence Joseph Barry, A.B. 1952, Harvard College  
 James Bruce Bell, A.B. 1959, Allegheny College  
 Dennis Philip Berk, A.B. 1959, Yale University  
 Paul Abraham Bienstock, A.B. 1959, Harvard College  
 Robert Throne Binford, B.A. 1951, Vanderbilt University; D.M.D. 1955,  
 M.S. 1959, University of Alabama  
 Herbert Spencer Bloch, A.B. 1959, Amherst College  
 George Richard Blumenschein, A.B. 1959, Yale University  
 Francis Matthew Bohan, B.S. 1959, Manhattan College  
 William Francis Brereton, Jr., A.B. 1959, Yale University  
 Hollister Peter Brewster, B.S. 1959, Long Island University  
 Woodward Burgert, Jr., A.B. 1959, Williams College  
 Charles Worden Carpenter, A.B. 1959, Cornell University  
 James Joseph Coatsworth, A.B. 1959, Cornell University  
 Edward Meadors Copeland III, A.B. 1959, Duke University  
 William Joseph Deely, A.B. 1959, Columbia College  
 Joseph Michael Deignan, Jr., B.S. 1957, Rutgers University  
 Carlos Guillermo Garcia de Paredes, A.B. 1959, DePauw University  
 Richard Barry Dicus, A.B. 1959, University of Arizona  
 Carl Herbert Dieterle, B.S. 1955, Cornell University  
 Franklin George Dill, B.E.E. 1956, Cornell University  
 Steven Daniel Douglas, A.B. 1959, Cornell University
- Savery, Wyo.  
 Chicago, Ill.  
 Palm Beach, Fla.  
 Ellwood City, Penna.  
 Whitefish Bay, Wis.  
 New York, N.Y.  
 Birmingham, Ala.  
 Canton, N.Y.  
 Elmhurst, Ill.  
 New York, N.Y.  
 Harrison, N.Y.  
 Brooklyn, N.Y.  
 Highland Park, Ill.  
 Binghamton, N.Y.  
 New York, N.Y.  
 McDonough, Ga.  
 New York, N.Y.  
 West Orange, N.J.  
 Panama City, Panama  
 Ajo, Ariz.  
 Milwaukee, Wis.  
 Arlington, Va.  
 Jamaica, N.Y.



# 96 CORNELL MEDICAL COLLEGE

Richard Hemenway Dyer, Jr., A.B. 1959, Cornell University	Madison, N.J.
Richard Michael Ehrlich, A.B. 1959, Cornell University	New Rochelle, N.Y.
Joseph Peter Fegen, Jr., B.S. 1959, John Carroll University	Rocky River, Ohio
Thomas Patrick Forde, A.B. 1959, Fordham University	New York, N.Y.
Floyd David Fortuin, A.B. 1959, Amherst College	Ridgewood, N.J.
Michael David Gershon, A.B. 1958, Cornell University	Craryville, N.Y.
Jonathan Victor Goldstein, A.B. 1959, Cornell University	Rochester, N.Y.
Roscoe Bruce Guy, A.B. 1958, New York University	New York, N.Y.
Lewis Charles Hahn, B.S. 1959, University of Michigan	Queens Village, N.Y.
Robert Anthony Hatcher, A.B. 1959, Williams College	Douglaston, L.I., N.Y.
Everett George Heinze, Jr., A.B. 1959, Cornell University	West Hempstead, N.Y.
Charles Hart Hill, A.B. 1959, Cornell University	Jarrettsville, Pa.
King Kennard Holmes, A.B. 1959, Harvard College	Huntington, N.Y.
Jonathan Hughes Horne, B.S. 1960, University of Utah	Salt Lake City, Utah
Charles Edward Hull, B.S. 1959, Ohio State University	Fremont, Ohio
Marriott Conrad Johnson, Jr., A.B. 1959, Williams College	Woodmere, N.Y.
Louis Robert Jordan, A.B. 1959, Cornell University	Southport, Conn.
Monroe Stuart Karetzky, A.B. 1959, Cornell University	Brooklyn, N.Y.
Alfred Nathaniel Krauss, A.B. 1959, Cornell University	Miami Beach, Fla.
Howard Eric Kulin, A.B. 1959, Harvard College	Worcester, Mass.
Walter Joseph Lochr, B.S. 1959, Manhattan College	Brooklyn, N.Y.
David Bacon Marcotte, B.S. 1958, St. Lawrence University	Bloomfield, N.J.
Arthur Mazyck, A.B. 1959, University of Virginia	Dothan, Ala.
John William McIvor, A.B. 1959, Cornell University	Detroit, Mich.
Philip Bartlett Mead, A.B. 1959, Hamilton College	Delmar, N.Y.
Craig Arnold Mehldau, B.S. 1955, Trinity College	Brooklyn, N.Y.
Elinor Miller, A.B. 1959, Cornell University	Valley Stream, N.Y.
Conner Miles Moore, B.A. 1959, Dartmouth College	Larchmont, N.Y.
John Philip Morey, A.B. 1959, Rutgers University	Asbury Park, N.J.
Timothy Bovie Moritz, B.S. 1959, Ohio State University	Columbus, Ohio
John Bennett Morrison, B.S. 1960, St. Lawrence University	Harrison, N.Y.
Theodore Christian Nagel, A.B. 1959, Wesleyan University	Leonia, N.J.
Brian Robson Nagy, A.B. 1959, DePauw University	Warwick, R.I.
Ralph Anthony O'Connell, A.B. 1959, College of the Holy Cross	Larchmont, N.Y.
Richard Dennis O'Toole, A.B. 1956, Williams College	New York, N.Y.
Stephen Csaba Padar, A.B. 1959, Cornell University	Brooktondale, N.Y.
Frank John Paolitto, A.B. 1959, Columbia University	New York, N.Y.
Alfred Francis Parisi, A.B. 1959, Georgetown University	Mt. Vernon, N.Y.
Kirk Lowery Peterson, A.B. 1960, Stanford University	Los Angeles, Calif.
Paul Aaron Redstone, A.B. 1959, Yale University	Woodmere, N.Y.
Richard Mark Robbins, B.S. 1960, Yale University	Trenton, N.J.
Nola Rosanoff, A.B. 1959, Cornell University	Staten Island, N.Y.
Barton Douglas Schmitt, B.E. 1959, Yale University	Steger, Ill.
Donald Andrew Schmutz, A.B. 1959, Providence College	Stewart Manor, L.I., N.Y.
Steve Scholtz, A.B. 1959, Stanford University	Pasadena, Calif.
Joel Edward Sherlock, B.S. 1959, St. Peter's College	Jersey City, N.J.
Louis Miles Spencer, A.B. 1959, University of California, L.A.	Corona Del Mar, Calif.
Benjamin Barclay Storey, A.B. 1959, University of Kentucky	Lexington, Ky.
Richard George Suscy, A.B. 1959, Amherst College	Montauk Point, N.Y.
Martin Bennett Taliak, Jr., B.S. 1959, Denison University	Berea, Ohio
Garrett Rezeau Tucker III, A.B. 1959, Amherst College	Houston, Texas
Edwin Arnold Turner, Jr., B.S. 1959, Wheaton College	Belmar, N.J.
William Smith Tyler, A.B. 1959, Cornell University	Groton, N.Y.
Donald Elkes Wallens, A.B. 1959, Cornell University	Buffalo, N.Y.
Robert Louis Wegryn, A.B. 1959, Cornell University	Elizabeth, N.J.
Martin Harvey Weiss, A.B. 1959, Dartmouth College	Newark, N.J.
Kuhrt Wieneke, Jr., A.B. 1959, Williams College	Dorset, Vt.
Robert Joseph Winchester, B.S. 1959, Manhattan College	Yonkers, N.Y.
Joel Edward Winker, A.B. 1959, Westminster College	Mascoutah, Ill.
Steven Ira Woodrow, A.B. 1959, Columbia College	Yonkers, N.Y.
Stuart Eugene Wunsh, A.B. 1959, Alfred University	New York, N.Y.

## SECOND YEAR

- Jerry Lee Acosta, A.B. 1960, Cornell University  
 John Evi Adams, A.B. 1959, Swarthmore College  
 James Ernest Bernstein, A.B. 1960, Harvard College  
 Jerome Wolf Bettman, Jr., A.B. 1960, Stanford University  
 Paxton Cady, A.B. 1952, Harvard College  
 William Lowell Campbell, A.B. 1960, Duke University  
 Robert Joseph Capone, A.B. 1960, Columbia College  
 David Lawrence Cappiello, A.B. 1960, Harvard College  
 Donald Catino, A.B. 1960, Princeton University  
 David Nemser Cohen, A.B. 1960, Yale University  
 John Milton Coletti, Jr., B.S. 1960, Univ. of Wyoming  
 Bernhoff Allen Dahl, B.S. 1960, Wheaton College  
 Ira Stephen Davis, A.B. 1960, Cornell University  
 Sarah Savilla Deitrick, A.B. 1960, Wellesley College  
 Joseph David Dickerman, A.B. 1960, Johns Hopkins University  
 Lewis Martin Drusin, B.S. 1960, Union College  
 Burton Arthur Dudding II, A.B. 1960, Harvard College  
 Bruce Eugene Dunn, A.B. 1960, Providence College  
 Nanci-Ames Early, A.B. 1960, Duke University  
 Thomas Michael Josef Engelsing, A.B. 1960, Harvard College  
 John Theodore English, Jr., B.S. 1960, Williams College  
 Karl Eurenus, A.B. 1960, Cornell University  
 Gerald David Fischbach, B.A. 1960, Colgate University  
 John Nathan Follansbee, B.S. 1957, United States Military Academy  
 Hilton Lawrence Fowler, A.B. 1960, Bowdoin College  
 Newton Joseph Friedman, A.B. 1960, Cornell University  
 Anne Angen Gershon, A.B. 1960, Smith College  
 Nikolas Golosow, A.B. 1960, Stanford University  
 John Joseph Granato, Jr., B.S. 1960, Manhattan College  
 Marshall Leslie Grode, B.S. 1960, Cornell University  
 Merritt Richard Hait, B.S. 1960, Stanford University  
 Philip Mitchell Hatfield, A.B. 1960, Amherst College  
 David Milton Heimbach, A.B. 1960, Cornell University  
 Frances Jean Judy, A.B. 1960, Carleton College  
 Kim Alan Keeley, A.B. 1960, Yale University  
 Thomas Barland Keith, A.B. 1960, Amherst College  
 Otto Gustav Klein, Jr., B.A. 1960, Stanford University  
 Robert Henry Knopp, A.B. 1960, Colgate University  
 David John La Gasse, A.B. 1960, Brown University  
 Richard Griffin Lennon, B.A. 1960, Hamilton College  
 Louis David Levi, B.A. 1960, Harvard College  
 Karl George Mangold, B.S. 1959, University of Notre Dame  
 Victoria Anne Middleton, A.B. 1961, University of Utah  
 Belle Sumter Miller, B.S. 1960, Stanford University  
 James McCalmont Miller, A.B. 1960, Hamilton College  
 Brian George Miscall, A.B. 1960, Syracuse University  
 Kenneth Eugene Mott, B.S. 1961, Purdue University  
 Dennis Sophian O'Leary, A.B. 1960, Harvard College  
 Lawrence William Raymond, B.C.E. 1956, Manhattan College;  
 M.S. 1957, Harvard University  
 Robert Hamilton Reid, A.B. 1960, Dartmouth College  
 Byron William Riegel, B.S. 1960, Stanford University  
 Joseph Elliott Ringland, A.B. 1960, Washington & Lee University  
 William Herbert Robischon, B.S. 1960, Manhattan College  
 Michael Freeman Rodi, B.A. 1960, Pomona College  
 Stephen Addison Ross, A.B. 1960, Williams College  
 Jack Sherman Rounds, Jr., A.B. 1960, Pomona College  
 Richard Ronald Sabo, B.S. 1961, University of Notre Dame  
 Mehrdad Vakili Sanandaji, A.B. 1960, Harvard College  
 Robert Miles Schmidt, B.S. 1960, Yale University
- Pueblo, Colo.  
 Chapel Hill, N.C.  
 New York, N.Y.  
 San Francisco, Calif.  
 Berkeley, Calif.  
 Parkersburg, W.Va.  
 Glen Rock, N.J.  
 Auburn, N.Y.  
 Bloomfield, N.J.  
 West Hartford, Conn.  
 Salt Lake City, Utah  
 Hackensack, N.J.  
 Niagara Falls, N.Y.  
 Bronxville, N.Y.  
 New York, N.Y.  
 Long Beach, N.Y.  
 Parkersburg, W.Va.  
 Roosevelt, N.Y.  
 Oklahoma City, Okla.  
 Berkeley, Calif.  
 Irvington, N.J.  
 Wilmington, Del.  
 New Rochelle, N.Y.  
 Bloomfield Hills, Mich.  
 Ellsworth, Me.  
 Chicago, Ill.  
 New York, N.Y.  
 South Nyack, N.Y.  
 Brooklyn, N.Y.  
 Atlantic Beach, N.Y.  
 San Jose, Calif.  
 Miami, Fla.  
 Lakewood, Ohio  
 Spokane, Wash.  
 Pleasantville, N.Y.  
 Marion, Iowa  
 Helena, Mont.  
 Hamburg, N.Y.  
 Bloomfield, N.J.  
 Weehawken, N.J.  
 New York, N.Y.  
 White Plains, N.Y.  
 Salt Lake City, Utah  
 West Orange, N.J.  
 Suffield, Conn.  
 Forest Hills, N.Y.  
 Lafayette, Ind.  
 Mission, Kans.  
 Albany, N.Y.  
 Radnor, Pa.  
 Evanston, Ill.  
 Irvington-on-Hudson, N.Y.  
 Newburgh, N.Y.  
 San Marino, Calif.  
 Neptune City, Avon P.O., N.J.  
 Los Angeles, Calif.  
 Bozeman, Montana  
 Tehran, Iran  
 Milwaukee, Wis.

Robert D. Schrock, Jr., A.B. 1960, Princeton University	Omaha, Neb.
Michael Norman Schwartz, A.B. 1960, Columbia University	Brooklyn, N.Y.
Richard Alan Schwartz, A.B. 1960, Cornell University	Shaker Heights, Ohio
Frederick William Schweizer, B.A. 1960, Williams College	Elizabeth, N.J.
Gino Victor Segre, A.B. 1960, Princeton University	Forest Hills, N.Y.
John Robert Sellman, A.B. 1960, Pomona College	Los Angeles, Calif.
Philip Burton Serlin, A.B. 1960, Dartmouth College	Bridgeport, Conn.
Thomas Charles Shope, A.B. 1960, State Univ. of Iowa	Kingston, N.J.
Barton Lowell Smith, B.S. 1960, Albright College	Reading, Pa.
Jerry LePow Spivak, A.B. 1960, Princeton University	Detroit, Mich.
Charles Robb Steinberg, A.B. 1960, Brown University	Yonkers, N.Y.
Jane Boyden Thomson, A.B. 1960, Cornell University	Buffalo, N.Y.
Peter Dickson Tyler, A.B. 1960, Cornell University	South Hadley, Mass.
John David Van Der Decker, A.B. 1959, Houghton College	Caldwell, N.J.
Theodore Van Putten, A.B. 1960, Rutgers University	South Orange, N.J.
Gary I. Wadler, B.S. 1960, Brooklyn College	Brooklyn, N.Y.
Winthrop Peabody Wilcox, A.B. 1960, Bucknell University	Chevy Chase, Md.
George Frederick Will, Jr., A.B. 1960, Amherst College	New York, N.Y.
John Derrick Wilsey, B.S. 1960, Davidson College	Winston Salem, N.C.
John Robert Wilson, A.B. 1960, Cornell University	Garden City, N.Y.
Robert Lee Wilson, B.S. 1960, Tufts University	Burlington, Vt.
John Leverett Ziegler, A.B. 1960, Amherst College	Wilton, Conn.

## FIRST YEAR

Jonathan Loewy Adler, A.B. 1961, Colgate University	Red Bank, N.J.
James Paul Baden, A.B. 1961, Cornell University	Hamilton, Ohio
Carl Bancoff, A.B. 1960, Cornell University	Philadelphia, Pa.
Bruce Ryan Bistrian, B.A. 1961, New York University	Amagansett, N.Y.
Joseph Anthony Boccia, A.B. 1961, St. Peter's College	Brooklyn, N.Y.
Richard A. Borrison, B.S. 1961, Allegheny College	Freeport, Pa.
Peter Frederick Bourlier, A.B. 1961, Georgetown University	Scarsdale, N.Y.
James Augustine Burns, B.S. 1961, Manhattan College	New York, N.Y.
John Lancaster Carmody, B.A. 1961, Yale University	Paxton, Mass.
John Joseph Caronna, B.A. 1961, Fordham University	Jackson Heights, N.Y.
Phillip John Catanzaro, B.S. 1961, St. Peter's College	Jersey City, N.J.
Barry Allan Cohen, B.A. 1961, Cornell University	Scarsdale, N.Y.
Lawrence Cohen, B.S. 1957, United States Military Academy	Nyack, N.Y.
Clyde S. Crumpacker II, B.A. 1961, Cornell University	Tabor, N.J.
James Norman Davis, B.A. 1961, Cornell University	Great Neck, N.Y.
David Tappen Dennis, A.B. 1961, Whitman College	Portland, Oregon
Richard Frederick Dietz, B.S. 1961, Georgetown University	Flushing, N.Y.
Edward John Eberhard, B.S. 1959, United States Military Academy	Canton, Ohio
Anton Farny Eilers, B.S. 1960, University of Wyoming	Haden Lake, Idaho
Michael John Errico, B.A. 1961, Yale University	Bloomfield, N.J.
James Russell Farina, B.A. 1961, University of Minnesota	New Buffalo, Mich.
Edmund Francis Fallon, A.B. 1961, Providence College	Jackson Heights, N.Y.
Nicholas John Fortuin, A.B. 1961, Columbia University	Ridgewood, N.J.
Joseph Charles Fratanтони, B.S. 1959, Fordham University; M.S. 1960, Harvard University	Brooklyn, N.Y.
Ronald Henry Geiger, A.B. 1961, University of Rochester	West Milford, N.J.
Robert Hellinger George, B.A. 1961, Columbia University	New York, N.Y.
John Spellman Glenn, B.S. 1959, Massachusetts Institute of Technology; M.S. 1961, Duke University	Washington, D.C.
Anthony Allen Goodman, B.A. 1961, Harvard College	New York, N.Y.
Jeffrey Harold Gordon, B.A. 1961, Amherst College	Albany, N.Y.
Robert Joseph Gottlieb, B.S. 1961, University of Rochester	New York, N.Y.
Samuel Harold Greenblatt, A.B. 1961, Cornell University	Potsdam, N.Y.
Richard Farries Greminger, A.B. 1961, Princeton University	Cambridge, N.Y.
Richard Luis Guerrero, A.B. 1961, University of Massachusetts	Chelmsford, Mass.
Robert Edward Gwynn, A.B. 1959, Stanford University	San Rafael, Calif.

George Edwin Hardy, Jr., B.A. 1961, Albion College	Midland, Mich.
Richard Makoto Hirata, B.S. 1958, United States Military Academy	Maui, Hawaii
John Othniel Ives, A.B. 1961, Princeton University	Norwalk, Conn.
William Simpson Kammerer, Cornell University	Whitestone, N.Y.
Gustav Edward Kappler III, B.A. 1961, Cornell University	Lake Ronkonkoma, N.Y.
Jeremy Jon Kaye, B.S. 1961, University of Notre Dame	Rhineland, Wisc.
Edwin Allen Kayser, Jr., B.A. 1961, Cornell University	Wilmette, Ill.
Edgar Jackson Kenton III, B.A. 1961, Rutgers University	Camden, N.J.
Thomas Edward Kohn, B.A. 1961, Amherst College	Milwaukee, Wisc.
George Angelo Krusos, B.S.E.E. 1961, Columbia University	Huntington, N.Y.
Harold George Kunz, Jr., B.A. 1961, Cornell University	Montclair, N.J.
Robert Philip LaFiandra, A.B. 1961, Columbia University	Englewood Cliffs, N.J.
Jon Lawson Landeen, B.S. 1961, University of Wyoming	Sheridan, Wyo.
Edward Thomas Lawson, A.B. 1961, Dartmouth College	Tarrytown, N.Y.
Lawrence Paul Levitt, B.S. 1961, Queens College	Bronx, N.Y.
Laurice Jean Liddil, A.B. 1961, Stanford University	Cincinnati, O.
Kenneth James Lippman, B.A. 1960, Tufts University	Harrison, N.Y.
Morton Daniel Lynn, A.B. 1961, Dartmouth College	West Orange, N.J.
William Peter McCabe, A.B. 1961, Harvard College	Providence, R.I.
Irvine Gray McQuarrie, B.A. 1961, University of Utah	Ogden, Utah
Jack Edward Meyer, B.A. 1961, Grinnell College	Davenport, Iowa
Kevin Peter Morrissey, A.B. 1961, Williams College	Jackson Heights, N.Y.
Charles Erik Nye, B.A. 1961, Stanford University	Minneapolis, Minn.
Caldwell Hardy Oliver, Jr., B.A. 1961, Yale University	Urbana, Ill.
Michelle Gabrielle Palmieri, A.B. 1961, Mount Holyoke	New York, N.Y.
Deborah Reed Pavan, A.B. 1961, Radcliffe College	Squantum, Mass.
Robert Anthony Pezzulich, A.B. 1961, Cornell University	Clark, N.J.
Lance David Redler, A.B. 1961, Cornell University	Bayside, N.Y.
Terry Reid Rogers, B.A. 1961, Dartmouth College	Bernardsville, N.J.
Lewis Mark Rothman, B.A. 1961, Cornell University	Yonkers, N.Y.
Paul Laurence Samuelson, B.A. 1961, Williams College	Yonkers, N.Y.
Howard Peter Schiele, B.A. 1961, Columbia College	Yonkers, N.Y.
Robert Douglas Schweizer, A.B. 1961, Princeton University	Elizabeth, N.J.
Robert Martin Segaul, B.A. 1961, Cornell University	Utica, N.Y.
Joseph Michael Seventko, B.E. 1960, Stevens Institute of Technology	Clifton, N.J.
Steven Hugh Sewall, B.A. 1961, Brown University	West Hartford, Conn.
Stephen Daniel Shappell, A.B. 1961, Columbia College	Yonkers, N.Y.
Dennis Hugh Stephens, B.S. 1961, University of Utah	Ogden, Utah
Richard Philip Stewart, B.A. 1961, Johns Hopkins University	Passaic, N.J.
Thomas Robert Swift, B.A. 1961, Trinity College	Brooklyn, N.Y.
Hillel Isaiah Swiller, B.A. 1961, Cornell University	Brooklyn, N.Y.
Char'es Frederick Thurber, B.A. 1961, Colgate University	Valley Stream, N.Y.
Frank Anthony Tomao, B.S. 1961, Manhattan College	Brooklyn, N.Y.
Robert John Towers, B.S. 1961, University of Utah	Murray, Utah
Betty Ann Ward, A.B. 1961, Boston University	Wethersfield, Conn.
John Reed Welch, B.A. 1961, University of Arizona	Tucson, Arizona
Edward Lloyd Westbrook, B.A. 1961, Harvard College	New Haven, Conn.
Donald Wendell Wilson, B.A. 1961, Harvard College	Newton, Mass.
Anne Stone Yeager, B.A. 1961, Cornell University	Baltimore, Md.
Robert Crabill Young, B.Sc. 1961, Ohio State University	Columbus, O.

## SUMMARY

Fourth Year .....	84
Third Year .....	84
Second Year .....	81
First Year .....	84
Total .....	333

# REGISTER OF THE MEDICAL COLLEGE AND SLOAN-KETTERING STAFFS

Abel, Henrietta E. ....	Medicine .....	55
Abrahams, Irving .....	Microbiology & Immunology.....	58
Adair, John J. ....	Pub. Health .....	71
Adams, Daniel W. ....	Obstetrics & Gynecology .....	60
Adelson, Edward T. ....	Psychiatry .....	69
Advocate, Seymour .....	Medicine .....	54
Akselrad, Charles .....	Surgery .....	76
Alden, John C. ....	Surgery .....	76
Almy, Thomas P. ....	Medicine .....	51
Anderson, Arthur A. ....	Psychiatry .....	69
Anderson, Arthur F. ....	Pediatrics .....	64
Anderson, James E. ....	Medicine .....	55
Antoville, Anthony A. ....	Medicine .....	54
Applebaum, Jacob .....	Surgery .....	76
Arce, A. Anthony .....	Psychiatry .....	69
Archibald, Kenneth C. ....	Medicine .....	52
Arditi, Lucian I. ....	Medicine .....	54
Armistead, George C. ....	Medicine .....	54
Armstrong, Roderick A. ....	Psychiatry .....	69
Arnold, William D. ....	Surgery .....	76
Aroesty, Julian .....	Medicine .....	55
Aroskar, Janardan P. ....	Biochemistry .....	50
Artusio, Joseph F., Jr. ....	Surgery; Obstetrics & Gynecology.....	74; 59
Asch, Thane .....	Anatomy; Radiology .....	48; 73
Ashe, Barbara S. ....	Pediatrics .....	64
Ashman, Stuart .....	Psychiatry .....	69
Askari, Amir .....	Pharmacology .....	66
Atkinson, Sam C. ....	Medicine .....	52
Austlid, Olav .....	Medicine .....	54
Avnet, Samuel .....	Surgery .....	76
Axelrod, D. Robert .....	Physiology .....	67
Bader, Genevieve .....	Sloan-Kettering (Prev. Med.).....	91
Baekeland, Frederick .....	Psychiatry .....	70
Baer, Ralph A. ....	Medicine .....	55
Bagdi, Phyllis A. ....	Surgery .....	76
Bailey, Charles A. ....	Medicine .....	54
Bajek, Arnold J. ....	Radiology .....	73
Baker, Ralph D. ....	Psychiatry .....	70
Balensweig, Howard D. ....	Surgery .....	76
Balis, M. Earl .....	Sloan-Kettering (Biochemistry) .....	88
Ball, Thomas L. ....	Obstetrics & Gynecology .....	59
Baras, Irving .....	Surgery .....	75



Barber, Hugh R. K. ....	Obstetrics & Gynecology .....	60
Barclay, Ralph K. ....	Sloan-Kettering (Biology) .....	88
Barile, Raymond G. ....	Surgery .....	76
Barnes, Lloyd T. ....	Medicine .....	54
Barnes, William A. ....	Surgery .....	74
Barondess, Jeremiah A. ....	Medicine .....	52
Barr, David P. ....	Medicine (Emeritus) .....	5
Barr, Nathaniel F. ....	Sloan-Kettering (Biophysics) .....	89
Barry, Patrick J. ....	Surgery .....	76
Barten, Harvey H. ....	Psychiatry .....	70
Basile, Neaf K. ....	Obstetrics & Gynecology .....	60
Bass, Richard R. ....	Pediatrics .....	65
Bates, Barbara ....	Medicine .....	54
Bauer, Charles H. ....	Pediatrics .....	64
Baumgartner, Leona ....	Pub. Health; Pediatrics .....	71; 64
Bawa, Sukhdev R. ....	Anatomy .....	48
Baxter, James E. ....	Psychiatry .....	69
Baylor, Curtis H. ....	Medicine .....	52
Beal, John M. ....	Surgery .....	75
Beasley, Jean T. ....	Pediatrics .....	65
Beaver, William C. ....	Pharmacology .....	66
Becker, David V. ....	Medicine; Radiology .....	73; 51
Becker, E. Lovell ....	Medicine .....	52
Behrman, Stanley J. ....	Surgery .....	75
Beil, Arthur R., Jr. ....	Surgery .....	76
Beiles, Carl M. ....	Surgery .....	76
Belcher, Anne M. ....	Surgery .....	75
Bell, Bertrand M. ....	Medicine .....	55
Bellezza, Thomas ....	Medicine .....	55
Bendich, Aaron ....	Sloan-Kettering (Biochemistry) .....	88
Beneventi, Francis A. ....	Surgery .....	75
Benjamin, Bry ....	Medicine .....	54
Benua, Richard S. ....	Medicine .....	52
Berenberg, Samuel R. ....	Pub. Health; Pediatrics .....	64; 71
Berg, John W. ....	Sloan-Kettering (Pathology) .....	90
Berkeley, Ruth P. ....	Medicine .....	54
Berle, Beatrice B. ....	Medicine; Pub. Health .....	52; 71
Berler, David K. ....	Surgery .....	76
Berman, Edel ....	Pharmacology .....	66
Bernsten, Carl A., Jr. ....	Medicine .....	52
Berrett, Arnold ....	Radiology .....	73
Biel, Leonard, Jr. ....	Surgery .....	76
Bienenstock, Harry ....	Medicine .....	55
Bigelow, Charles C. ....	Sloan-Kettering (Biochemistry) .....	88
Billo, Otto E. ....	Pediatrics .....	64
Bippart, Charles H. ....	Obstetrics & Gynecology .....	60
Birch, Ann McA ....	Pediatrics .....	65
Birnbaum, Stanley J. ....	Obstetrics & Gynecology .....	59
Blum, Morton ....	Medicine .....	55
Bodansky, Oscar ....	Sloan-Kettering (Biochemistry) .....	88
Bonsnes, Roy W. ....	Biochemistry; Obs. & Gyn. ....	50; 59

Booher, Robert J. ....	Surgery .....	77
Borenfreund, Ellen .....	Sloan-Kettering (Biochemistry) .....	88
Bortin, Aaron W. ....	Medicine .....	54
Bowden, Lemuel .....	Surgery .....	77
Boyan, Paul .....	Surgery .....	77
Boynton, Perry S., Jr. ....	Obstetrics & Gynecology .....	60
Brachfeld, Norman .....	Medicine .....	54
Bradlow, H. Leon .....	Sloan-Kettering (Biochemistry) .....	88
Brander, Jerome H. ....	Obstetrics & Gynecology .....	60
Brasel, Jo Anne .....	Pediatrics .....	65
Brasfield, Richard J. ....	Surgery .....	77
Braunstein, Paul W. ....	Surgery .....	75
Braveman, Warren S. ....	Medicine .....	54
Brayton, Robert G. ....	Medicine .....	55
Breslow, Esther .....	Biochemistry .....	50
Brethwaite, Samuel H., Jr. ....	Medicine .....	54
Brice, Mitchell .....	Surgery .....	76
Brockunier, Alfred, Jr. ....	Obstetrics & Gynecology .....	60
Brodman, Keeve .....	Medicine .....	52
Bronner, Felix .....	Surgery .....	75
Bronstein, Eugene L. ....	Radiology .....	73
Bronstein, Howard .....	Medicine .....	55
Brooks, Dana C. ....	Anatomy .....	48
Broome, John D. ....	Pathology .....	62
Brown, Edward O. ....	Obstetrics & Gynecology .....	60
Brown, George B. ....	Sloan-Kettering (Biochemistry) .....	88
Brown, John Lyman .....	Medicine .....	54
Brown, Veronica .....	Medicine .....	54
Browne, Michael .....	Surgery .....	76
Browne-Mayers, Albert .....	Psychiatry .....	69
Brunell, Philip A. ....	Pediatrics .....	65
Brunschwig, Alexander .....	Surgery .....	77
Brush, A. Louise .....	Psychiatry .....	69
Buchanan, J. Robert .....	Medicine .....	54
Buchanan, Mary C. ....	Pediatrics .....	65
Buchman, Myron I. ....	Obstetrics & Gynecology .....	59
Burbank, Bernerd H. ....	Medicine .....	54
Burchenal, Joseph H. ....	Medicine .....	51
Burkhardt, Edward A. ....	Medicine .....	54
Burkholder, George V. ....	Surgery .....	76
Burkholder, Peter M. ....	Pathology .....	63
Burnett, Harry W. ....	Radiology .....	73
Burstein, Charles .....	Surgery .....	75
Butler, Katharine .....	Medicine .....	51
Cahan, William G. ....	Surgery .....	77
Cahow, C. Elton, Jr. ....	Surgery .....	76
Calhoun, Robert L. ....	Surgery .....	76
Callahan, Justin T. ....	Obstetrics & Gynecology .....	59
Camarda, Anthony .....	Surgery .....	76
Cameron, Donald J. ....	Medicine .....	54

Campbell, Rolla D., Jr. ....	Surgery .....	75
Campbell, Wallace G. ....	Pathology .....	62
Cappuccino, James G. ....	Sloan-Kettering (Biology) .....	89
Carey, Edward J., Jr. ....	Surgery .....	76
Carlson, Arthur S. ....	Pathology .....	63
Carlson, Eric T. ....	Psychiatry .....	69
Carmichael, D. Erskine ....	Obstetrics & Gynecology .....	60
Carpenter, George K., Jr. ....	Surgery .....	76
Carpenter, Walter T., Jr. ....	Pediatrics .....	65
Carr, Henry A. ....	Medicine .....	52
Carrier, Thomas C. ....	Obstetrics & Gynecology .....	60
Carrington, Charles ....	Pathology .....	63
Carson, Robert S. ....	Psychiatry .....	70
Carver, Susan T. ....	Medicine .....	54
Cash, William D. ....	Biochemistry .....	50
Cassell, Eric ....	Pub. Health .....	71
Caterinicchio, Benedict S. ....	Pediatrics .....	65
Catlin, Daniel ....	Surgery .....	77
Cattell, McKeen ....	Pharmacology (Emeritus) .....	5
Cavalieri, Liebe F. ....	Sloan-Kettering (Biochemistry) .....	88
Cecil, Russell L. ....	Medicine (Emeritus) .....	5
Celian, Charles I. ....	Psychiatry .....	70
Cerruli, Remo ....	Psychiatry .....	69
Chan, Wah-Yip ....	Biochemistry .....	50
Chapman, George B. ....	Anatomy .....	48
Chapman, Loring F. ....	Medicine .....	52
Charash, Leon I. ....	Pediatrics .....	65
Chaves, Aaron D. ....	Medicine; Pub. Health .....	52; 71
Chilman, John H. ....	Psychiatry .....	70
Choy, Martin F. ....	Medicine .....	55
Christenson, William N. ....	Medicine .....	52
Chu, Florence Chien-Hwa ....	Radiology .....	73
Chu, Foo ....	Medicine .....	54
Chung, Stanley Mik ....	Surgery .....	76
Chynn, Kuo York ....	Radiology .....	73
Cipollaro, Anthony C. ....	Medicine (Dermatology) .....	51
Claremont, Hugh E. ....	Medicine .....	54
Clark, Donald G. C. ....	Surgery .....	77
Clark, Joel A., Jr. ....	Surgery .....	76
Clarke, Donald A. ....	Sloan-Kettering (Biology) .....	89
Clarke, Robert L. ....	Surgery .....	76
Clarkson, Bayard D. ....	Medicine .....	54
Cleeland, Roy, Jr. ....	Microbiology & Immunology .....	58
Clifton, Eugene E. ....	Surgery .....	75
Coats, Edward C. ....	Surgery .....	76
Cobb, John R. ....	Surgery (Orthopedics) .....	75
Cobb, Katharine ....	Pediatrics .....	65
Cohen, Burton D. ....	Medicine .....	54
Cohen, Eugene F. ....	Medicine .....	51
Cohen, Herbert J. ....	Pediatrics .....	65

Cole, John T. ....	Obstetrics & Gynecology .....	59
Collier, Robert L. ....	Medicine .....	55
Collins, Harvey S. ....	Medicine .....	52
Conn, Julius, Jr. ....	Surgery .....	76
Connelly, David ....	Surgery .....	76
Connolly, C. Stephen ....	Medicine .....	55
Constantine, Elizabeth F. ....	Surgery .....	76
Conway, Herbert ....	Surgery .....	74
Cook, Gerald T. ....	Surgery .....	76
Cooper, Howard N. ....	Psychiatry .....	69
Cooper, William ....	Surgery (Orthopedics) .....	75
Cooper, William A. ....	Surgery .....	75
Corcos, Josue ....	Medicine .....	54
Corey, Karin R. ....	Sloan-Kettering (Biophysics) .....	90
Cornia, Frank E. ....	Medicine (Dermatology) .....	51
Cornell, Carlton M. ....	Surgery .....	75
Cornell, George N. ....	Surgery .....	75
Cornell, Nelson W. ....	Surgery .....	75
Corso, Philip F. ....	Surgery .....	76
Cox, Denton S. ....	Medicine .....	54
Craig, Robert L. ....	Obstetrics & Gynecology .....	59
Cramer, Jean Abel ....	Medicine .....	54
Craver, Lloyd F. ....	Medicine (Emeritus) .....	5
Crawford, David B., Jr. ....	Obstetrics & Gynecology .....	60
Crissey, Eleanor ....	Psychiatry .....	69
Cudmore, Ruth ....	Pediatrics .....	65
Cummins, F. Mitchell ....	Radiology .....	73
Cupiauli, Richard A. ....	Medicine .....	54
Currarino, Guido ....	Radiology .....	73
Dalldorf, Frederick G. ....	Pathology .....	90
Dalton, A. J. ....	Sloan-Kettering (Biology) .....	89
Daniel, William W. ....	Surgery .....	77
Daniels, Helen E. ....	Psychiatry .....	69
Dann, Margaret ....	Pediatrics .....	64
Dargeon, Harold W. K. ....	Pediatrics .....	64
Davis, Jeff ....	Medicine .....	54
Davis, Marion ....	Medicine .....	54
Davis, E. William ....	Obstetrics & Gynecology .....	59
Day, Emerson ....	Sloan-Kettering (Prev. Med.) .....	91
de Alvarado, Lois ....	Psychiatry .....	69
Deans, Robert D. ....	Surgery .....	76
Deddish, Michael R. ....	Surgery .....	77
Deep, William ....	Medicine .....	55
de Gara, Paul F. ....	Pediatrics .....	64
de George, Frances ....	Sloan-Kettering (Prev. Med.) .....	91
Deitrick, John E. ....	Medicine .....	51
Delihias, Nicholas ....	Sloan-Kettering (Biophysics) .....	90
DeMayo, Alan P. ....	Pediatrics .....	65
Denker, Peter G. ....	Medicine (Neurology) .....	52
Dennen, Edward H. ....	Obstetrics & Gynecology .....	59

Denning, George S., Jr. ....	Biochemistry .....	50
Denues, A. R. T. ....	Sloan-Kettering (Biology) .....	89
Deschner, Eleanor .....	Medicine .....	55
Des Prez, Roger M. ....	Medicine .....	54
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